

Precision

OCTOBER 1968

Vol. 13 No. 6

Fifty Cents

SHOOTING



*a magazine
for shooters
by shooters*

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2. RANDOM SHOTS — Betty S. Duncan
3. OLD TIMERS' CORNER — Harvey Donaldson
4. THE RIFLEMAN'S CORNER — Gary L. Anderson

BENCH REST

Shooting Primer

Should one be inquisitive about the sport of Bench Rest Shooting, but doesn't know how to start, he should read these instructions: 1. Obtain an Official Rule Book from NBRSA Headquarters, Mrs. Bernice E. McMullen, 607 West Line St., Minerva, Ohio 44657. 2. At the same time, send her \$8.00 for one year's membership. Anyone will save money by doing this, if he attends more than three registered matches a year. 3. From this Rule Book, a shooter will be able to choose the class of Bench Rest Shooting he prefers. 4. Pages two, three and eighteen describe the rifles and their limitations.

The act of Bench Rest Shooting consists of sitting at a bench with a rifle resting on sand bags. The object of this position is to eliminate, as much as possible, the errors encountered in the process of holding and firing a rifle. Bench Rest Shooting is a sport, competitive or individual. The personal satisfaction gained in the ability to place one bullet on top of another, thus making a one hole group at 100 Yards and often at 200 Yards, has captivated an enthusiastic interest of many shooters for this kind of sport. It is particularly suited to both men and women who are not interested in indulging in the more vigorous or active sports. Therefore many Bench Rest Shooters are of the older set.

This does not mean, however, that it does not present a challenge to the younger shooter; it will engage and tax his capabilities as well.

The current popularity of this kind of shooting was generated by the organization of The National Bench Rest Shooters Association in the years 1949 and 1950. At that time a competitive program was introduced and has since been expanded.

Once an individual has selected the most appealing Bench Rest Class, it is **very important that he attends some of the Matches.** Here he will learn much by asking questions, observing the equipment and methods used for loading and shooting. Any Bench Rest Shooter is more than anxious to help a newcomer.

The equipment needed to participate is available, for the most part, from PRECISION SHOOTING advertisers. It includes rifles, telescopes, rests, sand bags, loading tools, bullets, cleaning materials, powder, primers, etc.

Lastly, if possible, get the advice of a person in the game before making purchases.

Should an individual or a club wish further information, write to Dr. A. H. Garcelon, President of the NBRSA, 133 State St., Augusta, Maine 04430; or M. H. Walker, R.D. #1, Mohawk, N. Y. 13407; or the Editor of PRECISION SHOOTING.

PRECISION SHOOTING

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Available from the Secretary's office are the following: 100 and 200 yard targets in cartons of 500 only, \$11.25. (10% discount for affiliated clubs, plus postage on 20 lbs. to proper zone) and on hunter targets, \$16.25 per carton of 500 (plus postage on 28 lbs. to proper zone). Coat brassards, \$1.25 each; and rule books, \$.50 each.

NBRSA membership for one year is \$8.00. This includes a subscription to PRECISION SHOOTING for the membership term. NBRSA associate membership, no magazine, \$3.50 a year. NBRSA Life Membership, \$100.00. Club affiliation fee, \$10 annually. Contact Bernice McMullen, Sec.-Treas., NBRSA, 607 West Line Street, Minerva, Ohio 44657.

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NBRSA

1968 Match Results

National Varmint Rifle Championship Matches

AT

THE TULSA BENCH REST RIFLE CLUB, INC.

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607 West Line Street
Minerva, Ohio 44657
Area Code 216, 868-6132

SPORTER July 30, 1968

100 Yd. Match Winners

1. R. Hart - Nescopeck, Pa.	.182
2. M. Jones - Fargo, N. Dakota	.169
3. M. Jones - Fargo, N. Dakota	.196
4. D. Baker - Amarillo, Texas	.250
5. R. Hart - Nescopeck, Pa.	.270

200 Yd. Match Winners

6. B. McMullen - Minerva, Ohio	.643
7. Dr. H. W. Ward - Snyder, Texas	.757
8. Dean Firnekas - Buffalo, Wyo.	.413
9. Bill Schellert - St. Louis, Mo.	.511
10. Ed Shilen - Irving, Texas	.657

Top Twenty Sporter

	Gr. Agg. MOA
1. R. Hart - Nescopeck, Pa.	.5027
2. A. Freund - St. Louis, Mo.	.5235
3. W. Hart - Nescopeck, Pa.	.5625
4. W. Dunn - Geneseo, N. Y.	.5794
5. D. Kiel - Warsaw, N. Y.	.5806
6. A. Castleberry - Gr. Prairie, Tex.	.5817
7. M. Jones - Fargo, N. Dakota	.5897
8. J. Bunch - Irving, Texas	.5983
9. R. Hanson - Midland, Texas	.6106
10. D. Firnekas - Buffalo, Wyo.	.6180
11. M. Oakley - Seattle, Wash.	.6218
12. Dr. J. Rapoport - L'g View, Tex.	.6297
13. E. Reiton - Irving, Tex.	.6345
14. A. Rogers - Euless, Texas	.6373
15. W. Page - Chappaqua, N. Y.	.6415
16. Dr. H. W. Ward - Snyder, Texas	.6565
17. E. Spencer - Richardson, Texas	.6626
18. H. Stark - Bridgeport, W. Va.	.6705
19. B. Schellert - St. Louis, Mo.	.6748
20. A. Hall - Irving, Texas	.6756

100 Yd. Aggregate Winners

1. R. Hart	.3960
2. M. Jones	.4058
3. J. Rapoport	.4292
4. A. Castleberry	.4372
5. A. Freund	.4500

LIGHT VARMINT July 31, 1968

100 Yd. Match Winners

1. E. Spencer - Richardson, Texas	.248
2. Dr. S. Nadler - New Orleans, La.	.225
3. W. Dunn - Geneseo, N. Y.	.157
4. E. Spencer - Richardson, Tex.	.238
5. A. Hall - Irving, Texas	.199

200 Yd. Match Winners

6. A. Girard - Southgate, Mich.	.652
7. A. Rogers - Euless, Texas	.290
8. Dr. S. Nadler - New Orleans, La.	.263
9. A. Freund - St. Louis, Mo.	.439
10. C. Poff, Jr. - Clarksville, Ind.	.600

Top Twenty

	G. Agg. MOA
1. A. Rogers - Euless, Texas	.4106
2. A. Hall - Irving, Texas	.4133
3. E. Spencer - Richardson, Texas	.4396
4. W. Dunn - Geneseo, N. Y.	.4572
5. G. Stannard - Fair Haven, Va.	.4630
6. D. Firnekas - Buffalo, Wyo.	.4651
7. R. Hanson - Midland, Tex.	.4662
8. H. Broughton - Big Spring, Texas	.4781
9. Dr. H. W. Ward - Snyder, Texas	.4910
10. A. Freund - St. Louis, Mo.	.4911
11. E. Shilen - Irving, Texas	.4947
12. W. Henry - Greenville, Mich.	.5029
13. M. Oakley - Seattle, Wash.	.5041
14. C. Williams - Garland, Texas	.5177
15. A. Girard - Southgate, Mich.	.5222
16. D. Geraci - Kenner, La.	.5291
17. D. Kiel - Warsaw, N. Y.	.5303
18. H. Stark - Bridgeport, W. Va.	.5317
19. R. Hart - Nescopeck, Pa.	.5330
20. J. Bushnell - Golden City, Mo.	.5396

100 Yd. Winners Agg.

1. E. Spencer	.3342
2. A. Rogers	.3392
3. M. Oakley	.3890
4. A. Hall	.3750
5. W. Dunn	.3986

HEAVY VARMINT

100 Yd. Match Winners

1. P. McMillan - Phoenix, Ariz.	.162
2. E. Shilen - Irving, Texas	.155
3. D. Shanafelt - Bonner Spgs., Kan.	.180
4. A. Castleberry - Gr. Prairie, Tex.	.183
5. W. Dunn - Geneseo, N. Y.	.189

200 Yd. Match Winners

6. W. Hart - Nescopeck, Pa.	.353
7. W. Watts - Norman, Okla.	.550
8. J. Knox - Carrollton, Mo.	.462
9. J. Ridings - Greenville, Texas	.620
10. J. Ridings - Greenville, Texas	.409

Top Twenty

1. L. Cornelison - Seminole, Okla.	.3903
2. A. Rogers - Euless, Texas	.3963
3. E. Shilen - Irving, Texas	.4222
4. J. Bushnell - Golden City, Mo.	.4306
5. J. Hale - Jenks, Okla.	.4358
6. A. Hall - Irving, Texas	.4450
7. P. McMillan - Phoenix, Ariz.	.4482
8. W. Dunn - Geneseo, N. Y.	.4603
9. D. Firnekas - Buffalo, Wyo.	.4632
10. W. Henry - Greenville, Mich.	.4720
11. R. Hanson - Midland, Texas	.4764
12. D. Hall - Warsaw, N. Y.	.4764
13. M. Bassett - Warsaw, N. Y.	.4787
14. D. Geraci - Kenner, La.	.4806
15. G. Stannard - Fair Haven, Va.	.4829
16. A. Castleberry - Gr. Prairie, Tex.	.4842
17. J. Ridings - Grand Prairie, Texas	.4944
18. H. Stark - Bridgeport, W. Va.	.4959
19. W. Page - Chappaqua, N. Y.	.4988
20. B. Pheasant - Buffalo, Wyo.	.5015

100 Yd. Winners Agg.

1. J. Hale	.2618
2. A. Castleberry	.2828
3. P. McMillan	.2912
4. A. Rogers	.3006
5. L. Cornelison	.3008

Triple Gun Agg.

	Sporter	Light Varmint	Heavy Varmint	3 Guns
1. A. Rogers	.6373	.4106	.3963	.4814
2. W. Dunn	.5794	.4572	.4603	.4989
3. A. Hall	.6705	.4133	.4450	.5096
4. D. Firnekas	.6180	.4651	.4632	.5154
5. R. Hanson	.6106	.4622	.4764	.5177
6. A. Freund	.5253	.4919	.5792	.5315
7. E. Spencer	.6545	.4396	.5175	.5372
8. M. Oakley	.6218	.5041	.5057	.5438
9. G. Stannard	.6861	.4630	.4829	.5440
10. W. Hart	.5625	.5608	.5267	.5500

NOTE

Clubs are urged to report match results promptly to NBRSA secretary's office as well as to PRECISION SHOOTING.

RIDGE SPORTSMANS CLUB, INC.

Heavy Varmint Shoot— Unregistered

HILTON, N. Y.

July 21, 1968

100 Yards Top 5 and Last

	1	2	3	4	5	Total	Agg.
Frank Bonter	.400	.400	.310	.376	.450	1.936	.3872
Ted Boughton	.385	.502	.528	.603	.546	2.564	.5128
A. Blensinger	.300	.552	.652	.634	.448	2.586	.5172
Leon Weld	.562	.477	.455	.682	.510	2.686	.5372
John Collins	.752	.282	.622	.847	.206	2.709	.5418
Last Place	1.350	1.495	.531	1.153	1.402	5.931	1.1862

	1	2	3	4	5	Total	Agg.
Ted Boughton	1.183	1.247	.997	.607	.785	4.820	.4820
Jerry Stocum	1.228	.939	.550	.982	.774	4.473	.4473
Leon Weld	.988	1.476	1.083	1.368	1.518	6.433	.6433
John Collins	2.667	.782	.629	1.396	1.244	6.718	.6718
Frank Bonter	.994	1.622	2.199	2.267	1.361	8.443	.8443
Last Place	3.236	2.818	2.110	2.614	2.278	13.056	1.3056

Grand
Agg.

September 22, 1968

TOP 5 100 Yd. Agg. 200 Yd. Agg. 100-200 Yd. Grand Agg.

1. J. Collins	.3982-1	-----	-----
2. A. Blensinger	.4386-2	.5569-1	.4977-1
3. L. Weld	.4706-3	.5670-3	.5188-2
4. R. Hall	.5582-4	.5516-2	.5549-3
5. J. Galvin	.5944-5	-----	.6215-5
6. R. Otis	-----	.5721-4	-----
7. D. Hall	-----	.5807-5	.6146-4

BUFFALO OUTDOOR RIFLE CLUB, INC., BUFFALO, WYOMING JULY 13 - 14, 1968

Sporter Class (Top 5)

	100 Yd. Agg.	200 Yd. Agg.	100-200 Yd. Grand Agg.
1. M. P. McMillan	.4764-1	.5725-1	.5903-3
2. D. O. Firnekas	.4982-2	.5978-4	.5480-1
3. Andy Grotz	.5120-3	.5950-3	.5535-2
4. C. C. Hankins	.5530-4	-----	-----
5. H. Bing	.5560-5	-----	-----
6. M. P. McMillan	-----	-----	.6250-4
7. Nels Nelson	-----	.5790-2	.6345-5
8. Don Smith	-----	.6492-5	-----

Light Varmint Class (Top 5)

1. C. Hollingsworth	.3462-1	-----	.5034-4
2. G. McMillan	.3588-2	.5403-1	.4495-1
3. D. Firnekas	.4014-3	.6035-5	.5024-2
4. B. T. Pheasant	.4158-4	.5895-3	.5026-3
5. C. C. Hankins	.4520-5	-----	-----
6. P. McMillan	-----	.5741-2	.5256-5
7. L. E. Wilson	-----	.5984-4	-----

Heavy Varmint Class (Top 5)

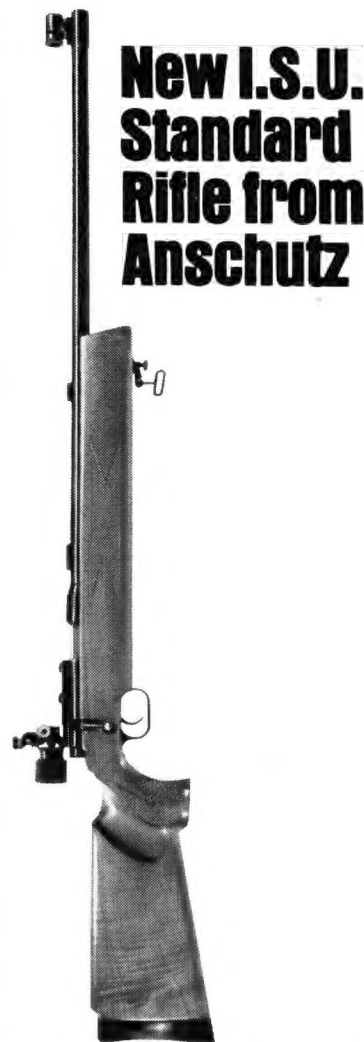
1. P. McMillan	.3018-1	-----	.3860-3
2. G. McMillan	.3206-2	-----	.4142-4
3. D. Firnekas	.3600-3	.3197-2	.3398-1
4. L. E. Wilson	.3682-4	.4656-4	.4169-5
5. C. C. Hankins	.3838-5	.3020-1	.3429-2
6. R. Schoonover	-----	.4688-5	-----
7. M. P. McMillan	-----	.3724-3	-----

OFFICIAL RESULTS

ORIGINAL PENNA. 1000 YD. BENCHREST CLUB, INC.
Shoot No. 7, 1000 Yds. — September 8, 1968
Top 20 (53 shooters participated)

	Relay	Rifle	Group	Score	shots
1. Kempfer, Paul (Wellsburg, N. Y.)	1st Group	1	308 Norma	9 3/4	32 10
2. Hoyer, Al (Mifflintown)	2nd Group	8	6.5-300	10	44 10
3. Wolfe, Howard (Mifflinburg)		6	378-30	10 3/4	37 10
4. Wurster, Pete (Montoursville)		4	25 06	11 13/16	44 10
5. Smeigh, Jon (York)	1st Score	3	300 Win	13 15/32	47 10
6. Bonnell, Pat (Elmira, N. Y.)		6	300 Win	13 13/16	42 10
7. Spegas, Steve (Linden)		4	300 Win	13 7/8	47 10
8. Theis, Jim (Williamsport)		9	300 Win	14	41 10
9. Theis, Bill (Williamsport)		2	264 Win	14 13/16	43 10
10. Bryan, Walt (Williamsport)		3	264 Win	14 29/32	46 10
11. Nicklaus, Dr. (Shiremanstown)		3	300 Win	15 3/8	35 10
12. Dewalt, Paul (New Cumberland)		4	7MM Rem	15 7/16	36 10
13. Kerstetter, Bill (Mifflinburg)		7	308 Norma	15 5/8	42 10
14. Campbell, Nick (Linden)		5	378-30	15 7/8	44 10
15. Smith, John (Linden)		5	308 Norma	16 1/16	44 10
16. Reeder, Ken (Williamsport)		5	300 Win	16 11/16	37 10
17. Piper, Jim (Shamokin Dam)		6	6.5-300	16 27/32	40 10
18. Reitz, Joe (Shamokin Dam)	2nd Score	6	6.5-300	17 9/32	47 10
19. Miller, Don (Lewisburg)		5	300 Win	17 7/8	29 10
20. Kepp, Lawrence (Harrisburg)		11	6.5-300	18 7/32	33 10
Last Place			308 Norma	39 1/4	6 6

DAVID H. TROXELL
610 N. Grier St.
Williamsport, Pa. 17701



New I.S.U. Standard Rifle from Anschutz

How can a rifle designed especially for international matches be just what U.S. smallbore shooters are looking for? Easy. The Anschutz people built a position rifle to meet the new International Shooting Union "Standard" classification. What they came up with happens to be ideal in weight and stock design for U.S. match requirements.

It's built on the same match 54 action that was used by 7 out of 10 of the smallbore shooters in the Tokyo Olympics (and all the medal winners).

The 1408 weighs about 10 pounds, easily meets the I.S.U. limit of 5 kilograms with sights. The single stage trigger, adjustable for weight of pull, creep and backlash, is set for 500 grams (1.1 lbs.). A replacement spring is included to convert to a 3 pound pull for U.S. matches.

The 7/8" diameter, 26" barrel is precision rifled and hand-lapped for peak accuracy. The French walnut stock has adjustable butt plate, raised cheek-piece, contoured pistol-grip and a deep fore-end for position shooting. Full length swivel rail and scope blocks, \$155. (Sights extra). Left-hand stock, \$167.

For free full color catalog, write: Savage Arms, Westfield 31 Massachusetts 01085. Include your ZIP code.



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BULLETS ARE UNIFORM,
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WEIGH THEM ANYMORE."



Steve Mento of Fremont, Calif., sent us this commendation about Sierra bullets after firing a record group in the "Hunter Rifle" Match at the registered California Rifle and Pistol Association Match held in 1968 at Chabot Gun Club.



Mr. Mento loaded Sierra's .308 cal. 168 gr. International bullets with 4895 powder. His group measured .540".

"Hunter Rifle" Rules are:

- 40 min. for record; 5 bullseye targets; 5 shots per target
- Maximum rifle wt.: 10½ lb.
- Maximum scope power: 6
- Caliber: 6 mm or larger
- Magazine: Must hold at least 2 more rounds and must resemble a standard hunting rifle
- Position: Bench rest
- Range: 200 yards

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BULLETS**

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OFFICIAL RESULTS AND BULLETIN

NATIONAL CHAMPIONSHIP MATCHES

For Unrestricted Rifles

August 27, 28, 29, & 30, 1968

EASTERN REGION

Reed's Run Rifle Range

Augusta, Ohio

Owner and Operator
MRS. MARIE BROWN

REGISTRATION, STATISTICS, RESULT SHEETS

Mrs. John Demeter (Leora), Canton Ohio
Mrs. L. S. Rucker (Rose), Akron, Ohio
Mrs. Marie Brown, Augusta, Ohio

RANGE OFFICER

John Demeter Canton, Ohio

SCORING

Mrs. W. M. Howard (Jeanie), N. Canton, O.
Mrs. William Hardy (June), Augusta, O.

TARGET DETAIL

M. L. Howard (Mike), North Canton, Ohio
W. L. Howard (Billy), North Canton Ohio
Lee Shafer, North Canton, Ohio

OFFICIAL REFEREES

Larry Engelbrecht
George McMullen
Roger Powers
Walter Berger, Alt.

WEATHER: 4 Days Hot & Sunny — Cool Nights — No Wind

REMARKS

Again it was a pleasure to welcome the members of the National Bench Rest Shooters Association to Reed's Run Range of Ohio for the purpose of contesting the "Nationals".

I hope each of you enjoyed the four days of typical sunny Ohio weather and the intense competition during the matches.

We of Reed's Run Rifle Range and I wish to thank you for your cooperation and hope that we may have the pleasure of again seeing you at the Range.

Sincerely,

MARIE BROWN

NOTE: 1. 60 registered for the matches.

2. 20 machine type rests were used. Twelve of these made the top 20.

SUMMARY OF WINNERS

61 Competitors — 25 Open Class; 36 Limited Class

NATIONAL CHAMPION

1st Runner-up
2nd Runner-up

100-yard Champion

1st Runner-up
2nd Runner-up

200-yard Champion

1st Runner-up
2nd Runner-up

Ferris Pindell .3594 moa
L. F. Carden .3993 moa
L. E. Cornelison .4417 moa

L. F. Carden .3721
Ferris Pindell .3848
L. E. Cornelison .3947

Ferris Pindell .3340 moa
L. F. Carden .4266 moa
Cline Deere .4403 moa

"TOP TWENTY"

N/C Aggregates — moa

		100-Yd	200-Yd	Grand	Class
1	Ferris Pindell	.3848	.3340	.3594	Open
2	L. F. Carden	.3721	.4266	.3993	Open
3	L. E. Cornelison	.3947	.4887	.4417	Open
4	Cline Deere	.4529	.4403	.4466	Open
5	Larry Engelbrecht	.4492	.4443	.4467	Open
6	L. S. Rucker	.4515	.4794	.4654	Open
7	A. H. Angerman	.4802	.4569	.4685	Open
8	Dr. Sam Nadler	.4039	.5590	.4814	Open
9	Wm. McGinnis	.5104	.4695	.4899	Limited
10	Ernest Scafuri	.4748	.5086	.4917	Limited
11	Robert Hart	.4813	.5175	.4994	Limited
12	Homer Culver	.3985	.6016	.5000	Limited
13	Ed Garrett	.5337	.4813	.5075	Open
14	F. C. Murdock Jr.	.5094	.5097	.5095	Open
15	Robert B. Simonson	.5206	.5064	.5135	Open
16	John Lyon	.4909	.5366	.5137	Limited
17	Ralph Stolle	.4788	.5554	.5171	Limited
18	L. E. Potter	.5225	.5138	.5181	Limited
19	Al Johnson	.4520	.6032	.5276	Limited
20	Ralph Stolle Jr.	.4413	.6165	.5289	Open

AWARDS

NATIONAL CHAMPION, Ferris Pindell
Whelen Trophy, Field & Stream Trophy, Bausch & Lomb Plaque
100-YARD CHAMPION, L. F. Carden — Speer Trophy
200-YARD CHAMPION, Ferris Pindell — Sierra Trophy

EASTERN REGION AWARDS

1st Runner-up - NATIONAL CHAMPION, L. F. Carden — Revere Bowl
2nd Runner-up - NATIONAL CHAMPION, L. E. Cornelison — Revere Bowl

N.B.R.S.A. AWARDS

To the twenty competitors having the lowest GRAND AGGREGATE SCORES, as listed above:
NBSRA "TOP TWENTY" PATCHES for 1968

To the National Champion, 100-Yard Champion, 200-Yard Champion, and to the winner of each National Course Match and each National Course Daily Aggregate in each class:

NBSRA LARIAT TIES for 1968

W. M. BROWN MEMORIAL TROPHY

Donated by Mrs. Marie Brown owner of Reed's Run Rifle Range
and awarded for the smallest group at 200 yards:

L. F. Carden — .410"

PRECISION SHOOTING OCTOBER '68

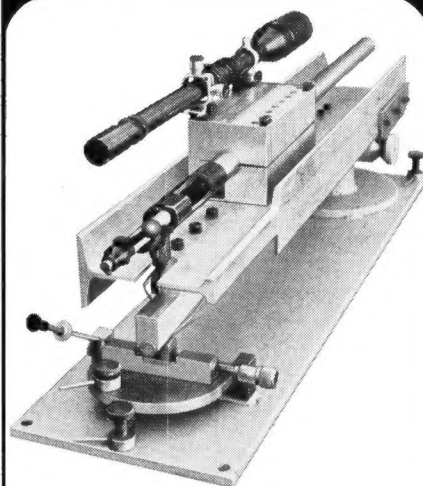
NATIONAL CHAMPIONSHIP MATCHES — UNRESTRICTED RIFLES

August 27, 28, 29, & 30, 1968

TOP TEN ROSTER OF COMPETITORS AND EQUIPMENT

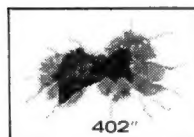
Place	Cal.	Action	Scope	Power	Barrel	Lgth.	Diam.	Twist	Gunsmith	Stocker	Wt.	Case	Load	Bullet	Primer
1	308 W	Weber	Redfield	30x	A&M	28"	1.350	14	Pindell	Pindell	40	308	40 4895	Sierra 168	Rem 9 1/2
2	222M	Baucher	Lyman	20	Hart	28"	1 1/4	14	Baucher	Self	35	Rem	26.5 BL-C	B. & A. 52	RWS
3	23-40	722	Unertl	30x	Shilen	28"	1.3	14	Cornelison	Self	28	223	26.5 BC-1	Own 52 1/2	7 1/2
4	308	Rem	Lyman	25	Hart	28"	1 5/16	14	Self	None	35	308	40 1/2 4895	Sierra 168	9 1/2
5	223/40	722-S	Unertl	24	Hart	27"	1.250	1-14	Engelbrecht	Self	37	223	26.6 Ball C	B. & A. 51.8	Rem 7 1/2
6	308 Jet 222 IMP	Weber	Unertl	30	Hart	28"	1 3/8	14	D. Frost	Brown	26	Rem Win	48 H380	165 Rucker	RWS
7	308	Hart	Unertl	24x	Hart	28"	1 3/8	1-14	R. Hart	Self	38	GI	38 3031	Sierra 168	Rem
8	30	Weber	Unertl	30x	Hart	26"	1.3	1-14	Pindell	Pindell	30	308 Win	3031 39 gr.	Pindell 168	Rem
9	308	Weber Rem	Unertl	30	A&M	30"	1.375	14	Pindell	Self	50	Win	37 3031	Sierra 168	Rem 9 1/2
10	22-45 308	Culver Culver	Unertl Unertl	24 24	Hart Hart	27" 28"	1 1/4 1 1/4	1-14 1-14	Stolle Culver	Stolle Stolle	20 30	Rem Western	23 1/2 4198 44 4895	6 1/2 Culver Culver 168	RWS RWS

THE IRON MONSTER



Our Iron Monster never gets nervous or develops buck fever. It eliminates the human variables that can affect shooting and provides us with an unvarying standard to use in making more accurate bullets.

Technically, this Hornady-built production test rifle is known as a Return to Battery Rest. Fired down our 200-yard test range, it is returned to its original aiming position without further sighting. Its superb accuracy is evident in the 200-yard target shown here.

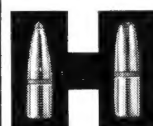


5 Shots, 200 yds.
Hornady 30 cal.
168 gr. Match Bullet
40 grs. of 4895

Actions for our "monster" are equipped with heavy 1 1/4" Hart stainless steel barrels in all popular calibers. They are solidly mounted on an "I" beam which slides on hardened steel ways. Elevation and azimuth adjustments are provided at the rear.

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HORNADY MANUFACTURING COMPANY
DEPT. A, GRAND ISLAND, NEBR. 68801

NBRSA HUNTER RIFLE MATCH RESULTS—I.W.L.A. York, Pa.

SEPTEMBER 15

MASTER	Score	Cal.	Action	Barrel	Scope	Load	Bullet	Primer
1. Wm. H. Appleby York, Pa.	245 9X	.308	Win. 70	Win.	Weaver V9 Var.	37 1/2 Gr. 3031	168 Gr. Sierra	9 1/2 Rem.
2. Robert H. Toomey Jacobus, Pa.	244 6X	.308	Rem 700	Hart	Weaver K6	42 Gr. H-380	168 Gr. Sierra	9 1/2 Rem.
3. Robert B. Thompson Camp Hill, Pa.	241 6X	.243	Rem 40X	Rem	Weaver V9 Var.	33 Gr. 4895	60 Gr. Sierra	CCI
HUNTER	Score	Cal.	Action	Barrel	Scope	Load	Bullet	Primer
1. James L. Loucks York, Pa.	232 4X	.308	Enfld	Star	Lyman 6X	38 1/2 Gr. 3031	168 Gr. Sierra	9 1/2 Rem.
2. Charles Eppley Dallastown, Pa.	225 2X	.244	Spfld	—	Unertl 6X	48 Gr. 4831	75 Gr. Sierra	CCI
3. Emmett Francis Hamburg, Pa.	219 2X	.244	Rem 722	—	Weaver K6	36 Gr. 4895	80 Gr. Rem P.L.	CCI
JUNIOR DIVISION	Score	Cal.	Action	Barrel	Scope	Load	Bullet	Primer
1. Cheryl Loucks York, Pa.	225 0X	.243	Sako L579	Sako	Weaver K6	38 Gr. 4895	75 Gr. Sierra	9 1/2 Rem.
2. Randy Kauffman Hamburg, Pa.	207 1X	6MM-250	Rem 700	—	Redfield 2-7 Var.	35 Gr. H-380	75 Gr. Sierra	CCI

R. A. LINN, Secretary
Izaak Walton League
73 Jolo Way
York, Pa. 17403

WICHITA BENCH REST RIFLE CLUB

KANSAS STATE CHAMPIONSHIP MATCHES

August 17, 1968

Place	1	2	3	4	5	Agg	PI	6	7	8	9	10	Agg	PI	Grand
HEAVY VARMINT	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	200 Yards	200 Yards	100 Yards	100 Yards	Agg.
1 J. D. Hale	.370	.339	.420	.414	.309	.3704	2	.951	.518	.781	.630	.745	.3125	1	.3414
2 Norman Camp	.455	.386	.299	.145*	.325	.3220	1	.911	1.319	.975	.553	.975	.4730	6	.3876
3 Ted Cheatham	.592	.369	.434	.423	.435	.4506	3	.858	.749	.574	.936	.612	.3729	2	.4117
4 Junior Bruffett	.714	.425	.540	.335	.403	.4834	4	.674	.855	1.048	.448	.815	.3840	3	.4337
5 Joe H. Little	.889	.395	.373	.379	.560	.5192	5	1.023	.841	.635	.972	.623	.4094	4	.4643
6 Jimmy Knox	.506	.370	.549	.580	.689	.5388	6	1.055	.934	1.354	.409*	.588	.4340	5	.4864
7 John R. Bushnell	.514	.297	.418	.566	1.921	.7432	7	1.182	.814	1.304	2.224	.468	.5992	7	.6212
8 Arthur Teague	1.177	.456	.968	.904	.374	.7738	8	1.071	1.435	1.223	1.047	1.741	.6517	8	.7137
UNRESTRICTED BENCH REST	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	100 Yards	Agg.
1 L. F. Carden	.370	.218*	.261	.220	.297	.2732	1	.681	.774	.576	.885	.952	.3868	3	.3300
2 L. E. Cornelison	.506	.258	.223	.654	.484	.4250	2	.672	.741	.595	.457*	.498	.2963	1	.3606
3 Walter Berger	.554	.669	.328	.360	.471	.4764	5	.886	.688	.723	.793	.776	.3866	2	.4315
4 Horace Powers	.930	.443	.426	.570	.403	.4744	4	.674	1.205	1.171	.678	.694	.4422	5	.4583
5 Larry Engelbrecht	.441	.363	.480	.313	.890	.4974	6	.892	1.342	.648	.496	.866	.4244	4	.4609
6 Dave Whittington	.530	.377	.543	.330	.477	.4514	3	1.623	2.005	1.107	.749	1.200	.6684	6	.5599

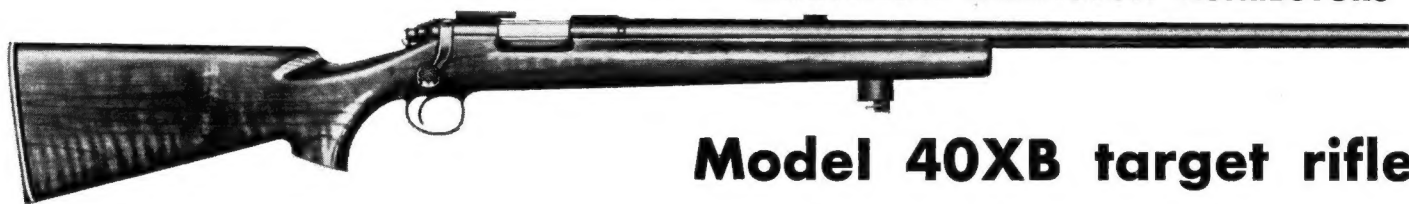
*Denotes small group
WEATHER: Wind and Rain

EQUIPMENT DATA

HEAVY VARMINT	Cal.	Action	Scope	Barrel Lgth	Dia	Twist	Gunsmith	Stocker	Wt	Load	Bullet	Primer
1 Hale	23/40	Hart	Unertl 20	Shilen 25	.850	14	Cornelison	Cornelison	13 1/4	26.5 Bl C	Cornelison	7 1/2
2 Camp	222 1/2	Sako	Unertl 20	Hart 23	.850	14	Bushnell	Self	13.4	32 H320	Sierra	RWS
3 Cheatham	222 1/2	Rem	Unertl 20	Shilen 24	.900	14	Self	Self	13.8	Rem RC 7	Sierra	Rem
4 Bruffett	222	Rem	Unertl 20	Shilen 19	.800	14	Bushnell	Bushnell	10.8	24.5 Bl C	Sierra	Rem
5 Little	222R	40X	Lyman 20	Hart 25	.926	1/14	Whittington	Whittington	13.6	GI Bl C	B & A	RWS
6 Knox	222 1/2	Rem	B & L 6/24	Shilen 23	.875	1/14	Shilen	Shilen	13.6	Rem RL7	Sierra	Rem
7 Bushnell	22/45	Sherman	Unertl 24	Shilen 24	.875	14	Bushnell	Bushnell	13.8	28.14 Bl C	McMillan	RWS
8 Teague	6mm Int.	Rem 40X	Unertl 36	Rem 28	.850	12	Rem	Rem	10.5	40 H-450	Hornady	Rem
UNRESTRICTED BENCH REST	Cal.	Action	Scope	Barrel Lgth	Dia	Twist	Gunsmith	Stocker	Wt	Load	Bullet	Primer
1 Carden	Baucher	Baucher	Lyman 20	Hart 28	1.250	14	Baucher	Self	35	26.5 Bl C	B & A	RWS
2 Cornelison	23/40	722	Unertl 30	Shilen 28	1.300	14	Self	Self	28	223 Bl C	Cornelison	7 1/2
3 Berger	222	Baucher	Unertl 24	Hart 26	1.250	1/14	Baucher	Self	35	Rem Bl C	Own	RWS
4 Powers	223PS	Powers	B & L 36	Hart 29	1.250	14	Powers	Self	28	26.8 Bl C	Own	Rem 7 1/2
5 Engelbrecht	223/40	722S	B & L 6/24	Hart 26	1.250	1/14	Engelbrecht	Self	34	26.6 Bl C	B & A	Rem 7 1/2
6 Whittington	222	Own	Unertl 24	Hart 26	1.250	1/14	Self	Self	28	GI 23.5 Bl C	Own	RWS

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REED'S RUN RIFLE RANGE
July 20, 1968

5-Shot Matches at 100 Yds. (Top 5 & Last)

	Warm-up	1	2	3	4	5	Agg.
Gallimore	.374	.281	.390	.295	.507	.369	.3684
Hogsten	.410	.623	.298	.512	.452	.301	.4372
Corder	.398	.380	.547	.315	.509	.450	.4402
Nagy	.365	.328	.591	.298	.494	.524	.4470
K. Kelbly	.585	.539	.389	.474	.360	.507	.4538
Last Place							1.0382

5-Shot Matches at 200 yds. (Top 5 & Last)

	6	7	8	9	10	Agg.	G. Agg.
Gallimore	.672	.689	1.112	1.149	.822	.4444	.4064
K. Kelbly	.841	.820	.752	.525	.769	.3707	.4173
Corder	.671	.816	.925	.903	1.127	.4442	.4422
Minico	.612	.651	1.359	.849	.786	.4257	.4447
Yockey	1.314	.628	.906	.653	.726	.4227	.4519
Last Place							.9999

10-Shot Matches at 100 yds. (Top 5 & Last)

	Warm-up	1	2	3	4	5	Agg.
Gilbert	.408	.402	.367	.361	.333	.286	.3498
Miller	.209	.340	.523	.329	.482	.254	.3856
Seafuri	.468	.659	.322	.419	.396	.355	.4302
Johnson	.307	.522	.414	.366	.432	.599	.4666
Schneider	.201	.512	.302	.651	.509	.417	.4782
Last Place							.6080

10-Shot Matches at 200 yds. (Top 5 & Last)

	6	7	8	9	10	Agg.	G. Agg.
Seafuri	.898	.962	.911	.634	.681	.4086	.4194
Gilbert	.854	.662	1.447	1.018	1.189	.5120	.4309
Miller	.763	.285	1.758	1.364	.732	.4902	.4379
B. McMullen	.712	.911	1.268	.702	.868	.4461	.4547
G. Kelbly	.886	.578	1.011	1.083	.772	.4330	.4681
Last Place							.6274

SPEER 4TH OF JULY MATCHES
GRAND PRAIRIE, TEXAS
July 5-6-7, 1968

The 1968 Speer 4th of July Bench Rest Matches were held at the Grand Prairie, Texas range and provided three days of keen competition for the participants.

A total of 71 competitors entered one, two or all three classifications and fired 113 different rifles. The weather conditions were generally good for bench rest shooting except for mirage problems which were quite annoying to some shooters! The tournament was very well conducted under the able direction of Ed Shilen, Ray Morrow and Alan Hall.

Particularly evident were the lady shooters this year. Martha Spencer took second place in the 100 yard Heavy Varmint Aggregate and fourth place in the Heavy Varmint Grand Aggregate. Emily Shilen was third in the 100 yard, fourth place in the 200 yard and third place in the Grand

Aggregates, Heavy Varmint. Barbara Schellert won third place in 200 yard and fifth in the Light Varmint Grand Aggregates plus third place at 200 yards and fifth place in the Heavy Varmint Grand Aggregate. Congratulations, girls!

Two matches using Speer Bullets only were shot at 100 yds., the Heavy Varmint warm-up and the Unrestricted warm-up. A new shooter, Dennis Baker, from Amarillo won the Speer Match Varmint Class Trophy with a group measuring .189. That tough competitor from Oklahoma, Red Cornelison, won the Unrestricted Speer Match Trophy with a .337 group.

We thank all of those shooters who attended the Speer Matches for their participation and hope you will be with us next year at Tulsa if our present plans work out.

RAYMOND G. SPEER

Current Record Holders

OPEN BENCH CLASS			
Smallest Group 100 Yards	.190"	Eldon Stolle	Wapwallopen 1966
Smallest Group 200 Yards	.485"	Bob Stultz	Kansas City 1965
100 Yard Aggregate	.235" MOA	Walt Berger	Kansas City 1965
200 Yard Aggregate	.320" MOA	Bob Stultz	Kansas City 1965
Grand Aggregate	.346" MOA	Red Cornelison	Kansas City 1965
LIMITED BENCH			
Smallest Group 100 Yards	.193"	Walt Berger	Kansas City 1965
Smallest Group 200 Yards	.418"	Bud Carden	Kansas City 1965
100 Yard Aggregate	.263" MOA	Walt Berger	Kansas City 1965
200 Yard Aggregate	.317" MOA	Don Hill	Kansas City 1965
Grand Aggregate	.317" MOA	Walt Berger	Kansas City 1965
HEAVY VARMIN'T			
Smallest Group 100 Yards	.159"	Emily Shilen	Grand Prairie 1968
Smallest Group 200 Yards	.208"	Dan McKeever	Grand Prairie 1968
100 Yard Aggregate	.238" MOA	L. Engelbrecht	Kansas City 1965
200 Yard Aggregate	.267" MOA	Don Geraci	Kansas City 1967
Grand Aggregate	.284" MOA	Don Hill	Kansas City 1965
LIGHT VARMIN'T			
Smallest Group 100 Yards	.260"	Ed Shilen	Grand Prairie 1968
Smallest Group 200 Yards	.448"	Ed Spencer	Grand Prairie 1968
100 Yard Aggregate	.396" MOA	Ed Spencer	Grand Prairie 1968
200 Yard Aggregate	.449" MOA	Harold Broughton	Grand Prairie 1968
Grand Aggregate	.439" MOA	Harold Broughton	Grand Prairie 1968
SPORTER			
Smallest Group 100 Yards	.246"	Tom Gillman	Kansas City 1965
Smallest Group 200 Yards	.312"	D. Broderick	Kansas City 1965
100 Yard Aggregate	.325" MOA	Manley Oakley	Kansas City 1965
200 Yard Aggregate	.484" MOA	Tom Gillman	Kansas City 1965
Grand Aggregate	.414" MOA	Tom Gillman	Kansas City 1965

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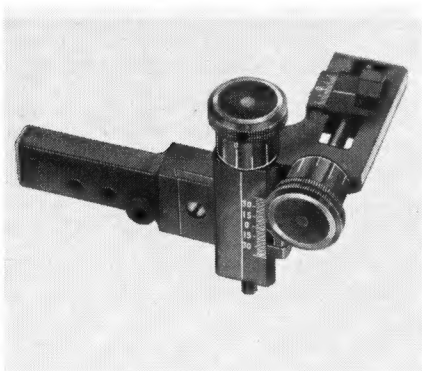
Mahtomedi, Minn. 56557

NEW CLERKE MICRO-VERNIER REAR SIGHT FOR MATCH SHOOTERS

Here is a new sight worthy of inspection by all smallbore shooters. —LaFayette



A new concept in sighting accuracy. A micro-vernier match rifle rear sight with zero backlash for UP or DOWN . . . zero cant and operated from zero for windage and zero for elevation! After your rifle is shot and zeroed in, both the Vernier scale on the staff and the Micrometer drum scale on the knob can be set to "rifle zero"—easily and quickly. This new Clerke target sight features two click stop micro-drums, each of which is rotated during shooting, quickly and precisely from zero . . . both from windage and elevation. This cuts the mental calculations needed to remember previous settings and reduces chances for error. Zero adjustment is preset for both the elevation and windage scales. After that, each micro-drum originates from the true "rifle zero" in either direction—up or down.



Scales are delineated in three-minute gradations. Micro-drums are scaled in 1/4 minute marks. Each quarter-minute "click" changes the point of impact approximately 1/4 inch per every 100 yards, both in elevation and in windage. Accuracy of the hardened and ground lead screws is held to .0005" per foot. Further, an adjustable, differentially-threaded nut on each lead screw prevents any backlash. The V-type mounting ways and adjustable dovetail gibs prevent any slack or wobble. It is rugged and solid. Mounts easily on any rifle with standard receiver sight base. Merit eyepiece not included. Only \$59.95. Write: Clerke Technicorporation, 2054 Broadway Ave., Santa Monica, Calif. 90404.

PUGET SOUND BENCH REST RIFLE CLUB

State Championship Shoot — Bench Rest Rifles

13½ Varmint Rifle 100 Yards

Top 10

John Fry	.353	.195	.278	.453	.155	.2868
Orv Johns	.254	.372	.523	.269	.252	.3340
Ken Glanzer	.450	.375	.451	.274	.323	.3746
Tom Seitz	.376	.329	.469	.460	.248	.3764
Manley Oakley	.347	.203	.591	.476	.298	.3830
Don Summers	.248	.502	.359	.433	.380	.3844
Mel Piper	.226	.369	.584	.376	.401	.3912
Ed Frombach	.531	.477	.399	.443	.225	.4150
Cliff Erb	.691	.558	.581	.223	.216	.4538
Stan Huser	.707	.274	.571	.436	.574	.5124

13½ Varmint Rifle 200 Yards

Top 10

John Fry	.283	.389	1.231	.581	.676	.3160
Ed Frombach	.669	.912	.684	.503	.894	.3662
Mel Piper	.812	.870	.597	.734	.917	.3930
Ken Glanzer	.940	1.120	.813	.983	.529	.4385
Orv Johns	1.144	1.213	1.134	.694	.607	.4792
Tom Seitz	1.101	.609	.872	1.413	.809	.4804
Don Summers	.695	1.564	.937	.644	1.061	.4901
Manley Oakley	1.055	.971	1.258	.820	1.420	.5524
Bob Foster	1.220	1.424	1.589	.835	.938	.6006
Cliff Erb	1.365	1.037	1.694	1.222	.710	.6028

Special Record Breaker 10-shot Warm-up Match

Top 10

Cliff Erb	.686*
Ed Frombach	.705*
John Fry	.745*
Ken Glanzer	.873
Mel Piper	.882
Tom Seitz	.884
Don Stroeber	1.001
Manley Oakley	1.197
Roy Norman	1.217
Amos Frombach	1.222

* Possible New Record

13½ Varmint Rifle Grand Aggregate

Top 10

John Fry	.3014†
Ed Frombach	.3906
Mel Piper	.3921
Ken Glanzer	.4065
Orv Johns	.4066
Tom Seitz	.4284
Don Summers	.4377
Manley Oakley	.4677
Cliff Erb	.5283
Stan Huser	.5671

† New Range Record

10½ Varmint Rifle 100 Yards

Top 10

John Fry	.237	.353	.324	.144	.526	.3168†
Manley Oakley	.486	.440	.234	.274	.417	.3702
Tom Seitz	.385	.407	.349	.241	.522	.3808
Mel Piper	.509	.388	.301	.288	.525	.4022
Ed Frombach	.302	.586	.463	.481	.310	.4284
Cliff Erb	.649	.349	.416	.359	.390	.4326
Ken Glanzer	.458	.363	.489	.551	.429	.4580
Don Stroeber	.377	.407	.557	.663	.373	.4754
Bob Foster	.478	.505	.498	.712	.429	.5244
Stan Huser	.292	.432	.648	.694	.601	.5334

† New Range Record

10½ Varmint Rifle 200 Yards

Top 10

John Fry	.835	.654	.427	.789	.910	.3615†
Ed Frombach	.622	1.079	.565	.826	.984	.4276
Manley Oakley	1.380	.757	.800	1.003	.834	.4774
Amos Frombach	.940	.843	.817	.834	1.491	.4925
Tom Seitz	1.064	.671	1.282	.790	1.296	.5103
Mel Piper	1.233	.627	.822	1.068	1.407	.5157
Don Stroeber	.915	1.164	1.476	1.303	.852	.5710
Cliff Erb	1.278	1.118	1.347	1.061	1.060	.5864
Stan Huser	.994	1.117	1.383	1.201	1.200	.5895
Bob Foster	1.985	.929	.606	1.777	1.001	.6299

10½ Varmint Rifle Grand Aggregate

Top 10

John Fry	.3391†
Manley Oakley	.4238
Ed Frombach	.4280
Tom Seitz	.4455
Mel Piper	.4589
Cliff Erb	.5095
Don Stroeber	.5232
Amos Frombach	.5572
Stan Huser	.5614
Ken Glanzer	.6107

† New Range Record

One thing for sure, there is no doubt who the State Varmint Rifle Champ is. John Fry won all aggregates and set four new range records doing it. Some really great shooting.

For a change we had wet but good shooting conditions with rain most of the day.

Our attempt to break the existing world record 10 shot group at 200 yards with the Heavy Varmint rifle was a success with three groups range measured as being smaller than the record. We also had several classic 8 and 9 shot groups, heartbreakers every one, but there will be a next time.

Equipment and Loads:

13½ data given first, then 10½

	Cal.	Load	Bullet	Primer	Barrel	Action	Scope
John Fry	222W	27.8 H380	51.9 Johns	R7 ½	Hart	XP 100	Ly 20
	222R	19.3 R 7	53 Sierra	R7 ½	Hart	Rem 600	Ly 20
Ed Frombach	219D	27.5 C-1	52 own	RWS	Hart	Weber	Ly 25
	222	23 C-1	52 own	RWS	Hart	40X	Ly 20
Orv Johns	222 ½	25.5 Bcl	Own	7 ½ R	Rem	40X	Un 15
	222	23 Bcl	Own	7 ½ R	Hart	722	Ly 20
Mel Piper	222	23.5 Bcl	Bahler	7 ½	Hart	XP 100	Ly 10
	Same rifle						
M. Oakley	222	23.3 Bcl	52.3 M'lan	7 ½	Shilen	Rem	Ly 20
	222	23.3 Bcl	52.3 M'lan	7 ½	Shilen	Rem	Ly 20
K. Glanzer	22x45	26.5 Bcl	53 Sierra	6 ½	Hart	Hart	Ly 25
	222M	22.1 4198	53 Sierra	6 ½	Hart	Hart	Ly 25
T. Seitz	222	23.5 Bcl	52 Bahler	7 ½	Hart	Rem	Ly 10
	308S	47 H380	168 Sierra	9 ½	Hart	Rem	Ly 10
Cliff Erb	222	23.5 Bcl	53 Sierra	RWS	Shilen	Ly 30	
	222	23.5 Bcl	53 Sierra	RWS	Shilen	Rem	Ly 30
D. Stroeber	222	19.5 4198	53 Sierra	CCI	Hart	722	Un 20
R. Foster	222	21.9 103	53 Sierra	CCI	len	Rem	Red 24
	6x47	27.3 H380	Hornady	CCI	Shilen	Rem	Ly 25

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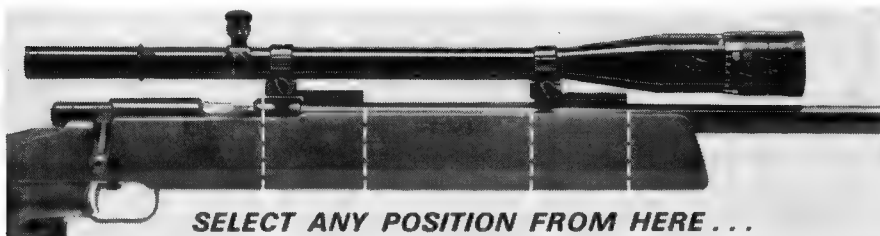
For prices and particulars, write:

Hart Rifle Barrels, Inc.

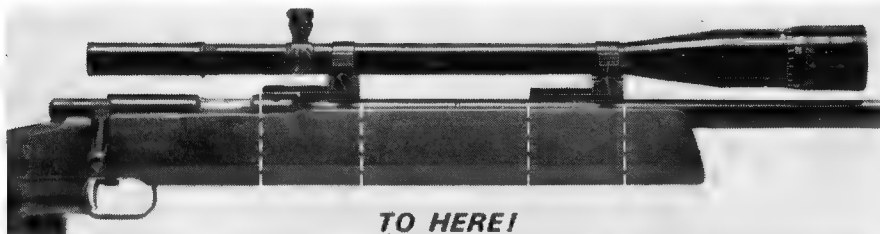
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About the cover

The pictured rifle: Remington 700 action fitted with square type aluminum Shilen sleeve and Remington two ounce trigger, Shilen Select Match grade stainless steel barrel, 22 caliber, chambered for 222½. Bench Rest pattern stock of laminated walnut, Redfield target scope.

This rifle weighs 13½ pounds with scope and meets all specifications for the Heavy Varmint Class. Price of this rifle as pictured (without scope) is \$385.00 built on either a 700 or 722 action supplied by the customer.

International Association For Identification

RESOLUTION NO. XI

PASSED AUGUST 1, 1968

WHEREAS, firearms identification (erroneously called forensic ballistics) is a very useful court-recognized tool of modern scientific crime investigation, and

WHEREAS, in recent years proposals have been made by many legislative bodies that would require a test bullet to be fired from every gun manufactured or every gun possessed by individuals, and that each such test bullet be retained by the manufacturer or by some police agency, for possible future use, and

WHEREAS, although it might seem that this test bullet file could be an aid in crime detection, the fact is that it is an unworkable procedure for the following technically valid reasons:

1. There is no practical system for classifying and coding the individual characteristics of a fired bullet as there is for a set of fingerprints. (In fingerprinting there is a highly developed system that permits ready classification by brief coding; thus, filing and subsequent retrieval of fingerprints for comparison are done rapidly and effectively.)
2. The characteristics of a rifled barrel that imparts the identifying markings to a bullet may change through continued use or abuse of the firearm. Thus, a test bullet fired from a firearm at one time can be markedly different from a bullet fired from the same gun at a later date.
3. In ordinary storage a test bullet can deteriorate to the extent that its value for comparison purposes is nullified.

NOW, THEREFORE, BE IT RESOLVED that the INTERNATIONAL ASSOCIATION FOR IDENTIFICATION, assembled in its 53rd Annual Conference at Hartford, Connecticut, on the 1st day of August 1968, is opposed to any law or regulation requiring a mass test bullet scheme because such a requirement will not aid law enforcement and will be detrimental to crime investigation.

McKINLEY BENCH REST SHOOTERS

Varmint Match Report August 17, 1968

Match No. 1			Match No. 2		
Davidson	50-5x	.341	Kimes	50-5x	.626
Triplett	50-5x	.392	Keehn	50-5x	.797
Keehn	50-5x	.501	Young	50-5x	.896
Schall	50-5x	.635	Schall	50-5x	.949
Young	50-5x	.745	Mullen	50-5x	1.862

Match No. 3

Schall	50-5x	.561
Triplett	50-5x	.586
Keehn	50-4x	.820
Davidson	50-4x	.840
Kimes	50-4x	1.121

Match No. 4

Schall	50-5x	.608
Triplett	50-5x	.620
Davidson	50-5x	.740
Keehn	50-5x	.901
M. Thomas	50-4x	.865

Match No. 5

Young	50-5x	.509
Triplett	50-5x	.738
Schall	50-5x	.835
Keehn	50-5x	.955
Augenstein	50-4x	.730

AGGREGATE STANDING

1. W. Schall	250-25x	.3588
2. E. Triplett	250-24x	.3162
3. C. Keehn	250-24x	.3974
4. J. Young	250-23x	.4670
5. W. Davidson	250-22x	.3688
Last Place	228-6x	1.1783

Congratulations to "Wally" Schall. This is his second year of shooting and he shot a 250-25x. His MOA shows that they all were there. There was a lot of good shooting behind him as can be seen by the represented scores. Of the 16 shooters 8 250's were shot. W. Lafferty had a good score of 250-16x, good MOA and ended up in 8th place. Some of the shooters are wondering what happened to the day when a score like this put you close to the top. It seems now that at least a goodly number of x's is needed to put you around the top. The older shooters are indicating that the better equipment seen on the line along with the shooters themselves improving is bringing in the high scores.

It seems that some real fine shooting has been exhibited all year long at our matches. We are looking for this fine shooting to continue.

* * * *

Varmint Match Report for August 23, 1968

Match No. 1

Griffith	50-5x	.598
Schall	50-5x	.624
Anderson	50-5x	.792
Keehn	50-5x	.827
Young	50-4x	.760

Match No. 2

Schall	50-5x	.601
Keehn	50-5x	.612
Griffith	50-5x	.931
Kimes	50-4x	1.140
Triplette	50-4x	1.216

Match No. 3

Kimes	50-5x	.620
Triplett	50-5x	.682
Keehn	50-5x	.686
Schall	50-4x	.602
Young	50-4x	.873

Match No. 4

Schall	50-5x	.380
Kimes	50-5x	.614
Triplett	50-5x	.620
Griffith	50-4x	1.073
Keehn	50-4x	1.415

Match No. 5

Kimes	50-5x	.432
Griffith	50-5x	.968
Johnson	50-4x	.503
Keehn	50-4x	.904
Schall	50-4x	1.085

AGGREGATE STANDING

1. W. Schall	250-23x	.3292
2. W. Kimes	250-23x	.3771
3. C. Keehn	250-23x	.4444
4. C. Griffith	250-22x	.4711
5. J. Young	250-19x	.5322
Last Place	247-12x	.6649

It may have been the hot weather that caused the light turnout of shooters. Even though we had a light turnout some real fine scores were turned in. A three-way tie for first place with 250-23 and Griff with a 250-22. Real good MOA all down the line.

* * * *

Match No. 13 — September 7, 1968

Match No. 1

Young	50-5x	.804
Davidson	50-4x	.690
Lafferty	50-4x	1.052
Keehn	50-4x	1.123
Rinehart	50-3x	.719

Match No. 2

Triplett	50-5x	.701
Davidson	50-5x	.797
Atkinson	50-4x	.831
Rinehart	50-4x	1.168
Griffith	50-3x	.973

Match No. 3

Thomas	50-5x	.275
Triplett	50-5x	.560
Davidson	50-5x	.566
Lafferty	50-5x	.761
Augenstein	50-5x	.805

Match No. 4

Davidson	50-5x	.497
Keehn	50-5x	.559
Atkinson	50-5x	.817
Schall	50-4x	.612
Griffith	50-4x	.906

Match No. 5

Davidson	50-5x	.541
Young	50-5x	.641
Triplett	50-5x	.724
Keehn	50-5x	.862
Lafferty	50-5x	.865

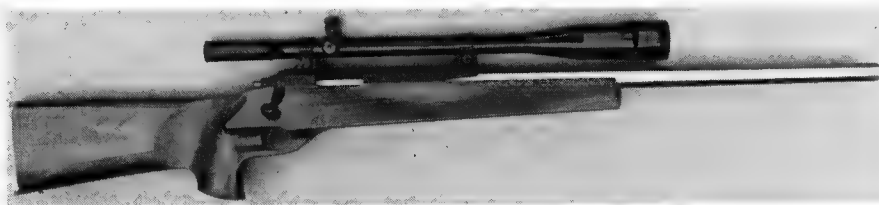
AGGREGATE STANDING

1. W. Davidson	250-24x	.3091
2. E. Triplett	250-21x	.4892
3. W. Lafferty	250-20x	.5680
4. C. Keehn	250-19x	.4036
5. R. Atkinson	250-19x	.4197
Last Place	242-12x	.7118

Match No. 14 — September 13, 1968					
Match No. 1			Match No. 2		
Schall	50-5x	.487	Keehn	50-5x	.564
Augenstein	50-5x	.479	Creighton	50-5x	.614
Atkinson	50-5x	.485	Triplett	50-5x	.701
Bidwell	50-5x	.654	Schall	50-5x	.704
Creighton	50-5x	.831	Young	50-5x	.765
Match No. 3					
Young	50-5x	.597			
Bidwell	50-5x	.650			
Davidson	50-5x	.653			
Schall	50-5x	.671			
Creighton	50-5x	.770			
Match No. 4			Match No. 5		
Davidson	50-5x	.445	Young	50-5x	.629
Griffith	50-5x	.787	Bidwell	50-5x	.647
Schall	50-5x	.841	Creighton	50-5x	.700
Young	50-5x	.871	Davidson	50-5x	.853
Lafferty	50-4x	.445	Schall	50-4x	.617
GRAND AGGREGATE					
1. W. Schall	250-24x	.3290			
2. J. Young	250-24x	.3501			
3. W. Davidson	250-23x	.3135			
4. E. Triplett	250-22x	.4936			
5. A. Creighton	250-21x	.3369			
Last Place	236-10x	.6489			

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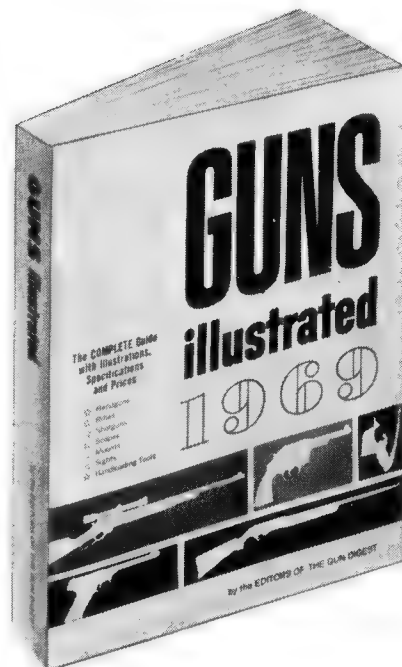
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Bayou Rifles Smallbore Regional Tournament of 1968

JUNE 15 AND 16, 1968
HOUSTON, TEXAS

B. J. BRADSHAW, Chairman
5602 Cedar Creek
Houston, Texas

MARIE B. ROBERTSON
Chief Statistical Officer

AN NRA REGISTERED MATCH

The members of the Bayou Rifles Smallbore Division extend many thanks to all smallbore shooters and their families who attended the Bayou Rifles Smallbore Regional Matches of 1968. The following is an account of the organizational setup, awards, and the shooting results.

RULES: NRA Smallbore Rifle Rules will govern throughout. Competitors will keep the same firing point during each day's firing.

LOCATION OF RANGE & FACILITIES:

Bayou Rifles Smallbore Division has a 72-point covered firing line with a concrete floor. A large shelter has been erected to provide shade for spectators. The range is reached by going west on Interstate 10 (highway to San Antonio) to Eldridge Street. Turn right on Eldridge Street and go approximately one-half mile on Eldridge. The range is to the right of Eldridge Street just over the dam. Cold drinks and food will be available.

ELIGIBILITY: Open to any individual member of the National Rifle Association. Junior competitors may be individual members of the NRA or members of an NRA affiliated Junior Rifle Club.

Teams will consist of two (2) firing members. Each team representing a club affiliated with NRA, a law enforcement agency, a Regular Service unit, or a Reserve unit (including National Guard). State Association Teams may enter the Team Match.

ENTRIES: Individuals: Entries in individual events will be made by circling the number of each match in which you wish to fire on the enclosed Registration Entry Card. Be sure to indicate your correct NRA classification. Mail entry card along with correct fees to Inez Sargent, 310 West Alkire Lake Drive, Sugar Land, Texas 77478. Make check payable to Bayou Rifles Smallbore Division.

Team Entries: Notice of intention to enter team matches should be included, including each match to be entered. Formal team entries will be made after arrival.

Entries Close: Individual match entries must be received not later than Saturday, June 8. Team entries close at 10:00 a.m. on the day the team match is fired.

Entries Limited: Entries are limited to 140 competitors in the individual matches and to 70 teams each day.

Post Entries: Post entries will be accepted up to the stated limit of the range provided such entries will not require special relays. Post entries close at 7:00 a.m. June 15 for Match No. 1.

CHALLENGE: A challenge fee of \$1.00 will be charged for each challenge made. See NRA Rules for correct procedure.

CLASSIFICATIONS: The NRA classification system will be used in all matches. Individuals who have not been classified will fire in the Master class. Rule 19.6 (assigned classification) may be used in making entry in an NRA Regional Tournament.

RIFLES AND TARGETS: The .22 caliber Rim Fire Rifle as defined in NRA Rule 3.2 and official NRA targets will be used. Camp Perry system of hanging targets will be used.

SQUADDING TICKETS: All Matches will be squadded. Squadding tickets for individual matches will be available from the Statistical Office Friday, June 14. Competitors will call for these tickets as soon as they arrive at the range. NRA membership cards and classification cards must be exhibited before issue of squadding tickets will be made. Squadding information for team matches will be announced on the range. Failure of a competitor to obtain his squadding ticket or to present himself at the proper firing point when his relay is called may lose him his right to compete.

FEES:

Registration Fee: \$1.00 per day.

Entry Fees: \$1.25 for individual fired match and per team member for team matches; \$2.00 for aggregate matches. (Prone Team Fund Match considered aggregate.)

A fee of \$18.00 covers registration fee; all individual matches; iron, any sight, and grand aggregates. A fee of \$22.50 covers the entire program, including the prone team fund aggregate and individual entry in a team match.

Return of Advance Entry Fee: If a shooter finds after making advance entry that he cannot attend, his match entry fees and registration fees will be returned in full.

CATEGORIES AND CLASSES: Separate class awards will be given in each of three categories — (Service, Civilian and Junior), subject to **Award Schedule**. Members of the Army, Navy, Marine Corps, Coast Guard, Air Force, National Guard and Reserve components comprise the Service category. All others are either Civilians or Juniors.

AWARDS: All awards in the Aggregate Championship, the Sub-Aggregate Matches and the International Shooting Fund Match are furnished by the NRA. Awards in the fired matches are furnished by Bayou Rifles Smallbore Division.

SPECIAL AWARDS: No individual will be given more than one award in a single match in a Regional. An indi-

vidual winning a match shall not be entitled to either a Special or a Category/Class award in the same match. Such awards will be passed down to the next eligible competitor. To be eligible for the Special Award the individual must indicate on his entry card the group he represents and an individual may represent only one group for special award. The Special awards take precedence over all others except the award for the match winner.

CLASS AWARDS: The Class awards will also be passed down if an individual is winner of a Special award.

BRASSARDS: A brassard will be given to each competitor entered.

AWARD SCHEDULE: Awards will be made on the following basis:

1. If there are less than 5 entries in a category, they will be combined with other entries of another category within the same class.
2. If there are less than 5 entries after combining all the categories of a class, there will be NO AWARDS provided in that class and all competitors in the lower class will be moved to their respective category in the next higher one.
3. If the competitor minimum required for award purposes has still not been fulfilled, competitors will be moved in class and category until there are 5 or more in a class and category.

MATCHES 1, 2, 3, 4, 7, 8, 9, 10 (Individual Fired Matches). Furnished by Bayou Rifles.

Winner: Matches 1 and 7 - NRA 5 1/8" Revere Bowl; Matches 2 and 8 - NRA Silver Vase; Matches 3 and 9 - NRA Roast Carver Set; Matches 4 and 10 - NRA Bon-Bon Dish.

First in Class and Category — Matches 1-4, 7-10 - NRA dinner fork or steak knife.

Second in Class and Category — Matches 1-4, 7-10 - NRA coffee spoon. (If there are 10 entries in a class and category second place awards will be given.)

Third in Class and Category — Matches 1-4, 7-10 - NRA Demitasse spoon. (If there are 20 entries in a class and category, third place awards will be given.)

A demitasse spoon will be given for each additional 10 entries in a class and category over 20.

MATCHES 6 and 13 — (Team Matches): Furnished by Bayou Rifles.

Winner - NRA ash tray.

First in Class and Category - NRA tea spoon.

Second in Class and Category - NRA coffee spoon. (If there are 10 entries in a class and category second place awards will be given.)

MATCH 12—(PRONE TEAM FUND MATCH): Furnished by NRA.

Sterling demitasse spoons to the match winner and to the high competitor in each class and category.

MATCHES 5 and 11—SUB-AGGREGATE MATCHES (IRON AND ANY SIGHT AGGREGATES): Furnished by NRA.

Winner: Metallic Sight - Hurricane Lamps No. 3HL; Any Sight - Salad Bowl No. K.

Category and Classes Awards

For Each the Master and Expert Classes in Each Category:

First Place - Sterling silver knife and fork.

If there are 10 entries in a class and category, a sterling silver knife or fork to second place.

A sterling silver teaspoon will be awarded for each additional 10 entries in a class and category over 10.

For Each the Sharpshooter and Marksman Classes in Each Category:

First Place - Sterling silver knife or fork.

A sterling silver teaspoon will be awarded for each additional 10 entries in a class and category.

MATCH 14 — REGIONAL CHAMPIONSHIP: Furnished by NRA.

Winner: Silver Chest with one 6-piece setting NRA sterling flatware.

Special Awards: To the high scoring: Woman - sterling compote No. 975; Collegiate - 2 sterling goblets No. 7SL.

Category and Classes Awards

For Each the Master and Expert Classes in Each Category:

First Place - Sterling silver knife, fork and teaspoon.

If there are 10 entries in a class and category, a sterling silver knife and fork to Second Place.

If there are 20 entries in a class and category, a sterling silver knife or fork to Third Place.

A sterling silver teaspoon will be awarded for each additional 10 entries in a class and category over 20.

For Each the Sharpshooter and Marksman Classes in Each Category:

First Place - Sterling silver knife and fork.

If there are 10 entries in a class and category, a sterling silver knife or fork to Second Place.

A sterling silver teaspoon will be awarded for each additional 10 entries in a class and category over 10.

EXCHANGE OF AWARDS: Competitors wishing to exchange NRA silver awards won in this tournament may do so according to the following schedule:

NRA knife and fork for gold filled medal; NRA knife or fork for oxidized silver medal; and NRA teaspoon for bronze medal.

Other items such as NRA knives, forks, and spoons can be exchanged for such pieces as sterling silver vegetable dishes, pitchers, goblets, serving pieces, etc.

Exchanges may be made directly with: Competitions, Training and Facilities Division, National Rifle Association, 1600 Rhode Island Avenue, N. W., Washington, D. C.

TIME OF FIRING: Firing will commence each day at 8:00 a.m. Competitors must be on the firing line ready to fire at that time. The Range will be open Friday, June 14, in the afternoon for practice. **BRING STAPLE GUN.**

Individual Matches:

Saturday, June 15 — Metallic Sights

No. 1—40 shots at 100 yards

No. 2—Dewar in reverse

No. 3—40 shots at 50 meters

No. 4—40 shots at 50 yards

No. 6—Team Match (Dewar)

Sunday, June 16 — Any Sights:

No. 7—40 shots at 100 yards

No. 8—Dewar in reverse

No. 9—40 shots 50 meters

No. 10—40 shots 50 yards

No. 13—Team Match (Dewar)

Note: The team matches will be fired at the completion of the 50 yard match each day.

Aggregate Matches:

No. 5—Metallic Sight Aggregate (Matches 1 through 4)

No. 11—Any Sight Aggregate (Matches 7 through 10)

No. 12—Prone Team Aggregate (Matches 1 and 7)

No. 14—Grand Aggregate (Matches 5 and 11)

BRING STAPLE GUNS.

(Next page please)

FOR THE SHOOTER BY A SHOOTER



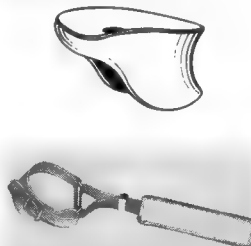
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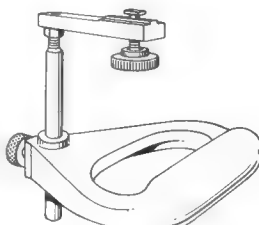
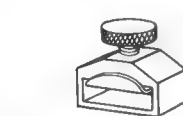
FSA Jumbo Type Fore
End Stop, mention
rifle, from ----- 5.75



AAT All Angle Tripod,
mention scope, gray
or green -----20.75

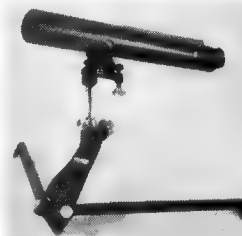


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* * *

BAYOU RIFLES SMALLBORE REGIONAL TOURNAMENT OF 1968

"In spite of flood and high water, the match must go on" was the aim of the Bayou Rifles Smallbore Division, Houston, Texas. Those who had the time and energy to do so manned the mops and bucket to clean up the debris that was left by eight feet of water on the rifle range about three weeks prior to the match;

others donated money to help replace backer boards, targets, flags, bridges—in fact about everything needed to put on a match.

When 77 competitors turned up for the match from seven states—California, Georgia, Iowa, Connecticut, Florida, Louisiana, and all parts of Texas—they felt as if their efforts were well repaid. Only a few drops of rain fell on one relay during the two-day tournament, even though they had a heavy downpour about three miles from the range on Sunday. The previous rains and the sun made the mirage do flip-flops, but there were some there that knew how to handle it very well.

Raymond Sargent, Sugar Land, Texas, was the Regional Champion with a 3195-248, edging out Major James A. Hinkle from Atlanta, Ga. by 19x. Inez Sargent squeaked by Debbie Davis to win high lady with a 3190-251. Debbie has really been pouring them in the center this year and is tough competition for everyone. Hal Duckworth from Carthage, Texas, was the high Collegiate. Debbie was the high Junior.

Raymond filled in quite a few gaps in the silver cabinet during this tournament by winning the any sight aggregate on Sunday with a 1600-132x. T/Sgt. Kurt J. Degerlund, Lackland, was 1st service master with 1600-129x; Major Hinkle was 2nd service master with 1600-118x and J. A. Moroney was 1st civilian master with 1600-125x. This was Al Moroney's first 1600 and he was floating on the clouds so much that J. A. Badeaux and Dick Nelson, his buddies from Louisiana, were thankful that he was riding the airplane back. After all, they did want to get in some words about their own scores and alibis.

George Whittington, Amarillo, Tex., profited by his experience on his range at home with the wind and mirage. He was the winner of the iron-sight aggregate with a 1596-115, defeating Capt. Eric Nilson from Lackland with a 1596-113. Maj. Hinkle was second service master with a 1595-115; Bob Arnold, Houston, was 1st civilian master with a 1599-122; and Raymond Sargent was second civilian master with a 1599-116.

Bayou Rifles elected to give nice NRA sterling silver holloware in the individual matches. Raymond won a Revere bowl (400-31 at 100 yds. iron), roast carver set (399-31 at 50 meters iron) and a bon-bon dish (400-35 at 50 yards any sights). This will probably be the last match that Inez lets him have any of her super-

duper ammo, as she didn't know that he would take her literally and shoot nothing but tens and x's with it as she manages to get nines herself. She did manage to win one match for a bon-bon dish with a 400-36 at 50 yards iron. Hal Duckworth from Carthage, Texas, received a vase for his 400-27 in the dewar iron. Sgt. Kurt Degerlund from Lackland won a Revere bowl with a 400-36 in the 100 yards any. J. A. Moroney took home a silver vase for his 400-36 in the dewar any. Debbie Davis received a roast carver set for her 400-37 in the 50 meter any (see what I mean by her shooting them in the center?).

Inez Sargent and Debbie Davis teamed up for the dewar any team match after Debbie fired her 400-37 and with Inez coaching her, she managed to drop points. This was proof that all points dropped in a team match are the fault of the coach. Debbie coached Inez for a clean one. Debbie Davis and Kurt Degerlund fired a 20x in the tournament, but each had failed to enter the special match for that accomplishment so didn't receive a knitted elbow protector for their efforts. It looked as if the knitting needles would have to fly to pay off in that match, but they were the only two that fired a 20x—the entries claimed that the pressure kept them to 19x.

Fifty-one of the 77 competitors entered the Prone Team Fund match, which Raymond Sargent won with a 800-64.

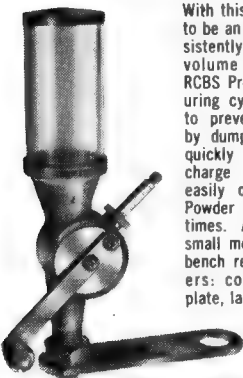
Corporal Thomas K. Ritter from Davenport, Iowa, and Corporal Robert Mottram from Stratford, Conn., just about cleaned up in the expert class with Cpl. Ritter placing first in the dewar iron, iron aggregate, 50 meters any and the Grand aggregate with a 3183-217. Welcome to the master class! Corporal Mottram was first in the 100 yards, and 50 meters iron. Carolyn Wiley, a junior from Uvalde, Texas, won the first expert award in the 50 yards iron with a 400-23. Robert Davis from Austin, Texas, was the high expert in the scope aggregate winning it with a 1597-114, and also 1st expert in the dewar and 50 yards any. I do believe that we are going to have Cpl. Mottram and Bob in the Master class before too long.

Richard M. Dersham, Austin, Tex., and John D. Goodwin, Shreveport, La., shared honors in the sharpshooter class. Richard won the 100 yards, dewar and iron aggregate, as well as the 100 yards, 50 meters any and the grand aggregate with a 3169-175. It

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looks as if he plans on bypassing the expert class. John won the 50 meter and 50 yards iron and the dewar and 50 yards any. His aggregate was 3166-185, so he will be enjoying his new card at an early date.

John R. Galvin, Jr., Garland, Tex., was the 1st civilian marksman for all the individual iron sight matches and aggregate. Sgt. James H. Surles from San Antonio was 1st service marksman in the 50 meters, 50 yards, and iron aggregate, as well as 1st service marksman in the dewar, 50 meters, 50 yards, and any aggregate, and the grand with a 3156-167. Carl Hochmuth from Houston, Texas, was high junior in the 100 yards, dewar and 50 yards iron. Richard E. Edwards from Houston was 1st junior marksman in the 50 meters iron. Betty Raymer, LaPorte, went home happy after winning her first civilian marksman match in the 100 yards with a 394-20. Perris Stanley, Dallas, was first civilian marksman in the dewar any. L. W. Minturn, Houston, won the first civilian marksman in the 50 meters and 50 yards and also the any aggregate.

Tom Guerin, Los Almitos, Calif., and Inez Sargent teamed up to win the silver ash trays on Saturday in the metallic dewar match. They thought they were out of the running with their 796-55, but it seems it was good enough to squeak through over Capt. Nilson and Sgt. Messer by 3x and O. R. Arnold and Bob Smith by 4x.

Robert Davis and James Durham, College Station, an expert team, showed the masters how it should be done by winning the silver ash trays in the any sight dewar team match on Sunday with a 799-43.

The following were the high scoring 15% in the Regional, in the order listed: Raymond Sargent, Maj. James A. Hinkle, Geo. R. Whittington, J. A. Moroney, Edgar P. O'Neal, Inez Sargent, O. R. Arnold, Jr., Capt. Eric J. Nilson, T/Sgt. Kurt J. Degerlund, Sgt. T. S. Whitaker, and Sgt. Robert L. Randle.

All in all it was a good match—nice weather, good trophies, and happy competitors. Thanks from Houston for coming.

Author—Club Reporter

Letter to the Editor

Dear Mr. Tooley:

I would like to compliment you on the job you have done since taking over the P.S. and the way in which you caught it up without just filling a lot of space or skipping issues.

Your choice of material has been most interesting and recently I have enjoyed the Beginner's Corner. I particularly think that the article by Bob Wade was a good one and hope that you will persuade him to submit again.

In the months ahead I hope to submit some data for your approval and can perhaps include photos to help illustrate as I am a professional photog. primarily and gun nut secondarily.

In addition I happen to be the secretary of the Black Ash Sportsman Inc., a very active Hunter Class rifle group which is about to break over into Varmint Class shooting soon. Acting as a liaison man between the B.A. Club and the Chippewa Rifle Club which you identify as Easton, Ohio I have been instrumental in arranging a HUNTER CLASS club match which will be held at Chippewa (Easton) on the 13th of October. I'm not sure but from several years of closely perusing the HUNTER class data in P.S. I wonder if this is not perhaps the first time an inter-club match between two clubs in different states has been held in HUNTER class.

We have several other clubs watching the outcome of this match and it has been suggested that such an event might be used as sort of tri-state or regional championships in Hunter Class.

The regular course of fire ie: 25 shots for record and possible 250 score will be fired in not less than two relays using NBRSA rules exclusively since both clubs are NBRSA affiliated. As many shooters may participate as show up and the top five scores from each club will be used to determine the winner. It is hoped that the Black Ash Club can return the invitation next year but presently the Chippewa club has 22 benches under roof as opposed to five at Black Ash.

A number of the Black Ash shooters have visited the Chippewa Club during the past HUNTER class season and have done well on the Chippewa range. The two clubs and their ranges are approximately 130 miles apart which again contributes to the unusualness of this match.

If any of the foregoing material lends itself to reporting in P.S. please feel free to use it and then either Nelson Berger, Sec'y of the Chippewa Club or I will inform you of the results in detail for later use in P.S. If the weather is good, I will try and get a picture of some of the shooters and this range which may also prove of interest to your readers.

It would seem to me that if this event could be publicized through P.S. a lot of clubs a heck of a lot closer together than 130 miles might be tempted to try it thus whetting the appetite for Hunter Class shooting.

I have seen this type of shooting grow from the first match at Chippewa three years ago until today there is difficulty handling the shooters in two relays (total 44) at Chippewa. As a member of the Chippewa Club I have attended all of their (6) Hunter Class matches this year and have seen it grow until at the last match of the season they had three lady shooters fire the entire course. (One was Mrs. Pease.) I'm sure you'll agree that when the ladies turn out the men have even more freedom to participate in their shooting sport than they would have if the ladies were all left at home.

At Black Ash, six matches were fired this year and a total of 24 different shooters qualified in Hunter Class NBRSA in

this the second year of affiliation with NBRSA. A banquet will culminate the season and already more than 30 men and women have signed up for this event, proof that the Hunter Class program WILL build interest in a club and in benchrest shooting.

I personally know of twenty or more shooters in these two clubs that are planning on going into Heavy Var. or into Limited B.R. over the winter ahead. Where will the benchrest shooters of tomorrow come from? From the Hunter Class today I feel sure and the more we can all do to help it and stimulate interest in it the better our whole organization will be in the future.

My apologies for the lengthy epistle.

Sincerely,
BOB PEASE
Meadville Pa.

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Short Shorts

By CHARLEY DICKEY

The platforms on firearms legislation in 1968 for the two major political parties are as follows. These are the only references made to firearms in either party plank.

Democrats, under the subtitle "Justice and Law", pledged to "Promote the passage and enforcement of effective federal, state and local gun control legislation."

The current administration supports registration and licensing in its bill now in Congress. The bill would withhold conservation funds from the states not passing registration and licensing laws. These funds, under the Pittman-Robertson Wildlife Restoration Act of 1937 passed at the insistence of sportsmen, are paid by sportsmen on the 11 per cent excise tax on sporting arms and ammunition. About \$350 million has been collected under this act and prorated back to the states for major conservation programs.

In the July 26 issue of Gun Week, Vice President Hubert Humphrey was quoted in his letter of July 9 to Editor Neal Knox as saying, "We must require the registration and licensing of all firearms."

The Republican plank, under the subtitle "Crime", pledged "Enactment of legislation to control indiscriminate availability of firearms, safeguarding the right of responsible citizens to collect, own and use firearms for legitimate purposes, retaining primary responsibility at the state level, with such federal laws as neces-

sary to better enable the states to meet their responsibility."

* * *

The "1968-69 National Shooting Preserve Directory" is free by writing: National Shooting Sports Foundation, 1075 Post Road, Riverside, Conn. 06878.

The directory lists preserves open to the public with addresses and telephone numbers. Also, there is information on preserve seasons and types of game available at each preserve. More than half of the preserves offer some kind of clay-target shooting.

Congress recently passed legislation authorizing the U. S. Department of Agriculture to liberalize its program of making loans to farmers and rural communities for outdoor recreation development. The new law encourages family farmers to convert their entire farms into recreational areas for hunting, fishing, boating, camping, winter sports and golfing.

The legislation will give an impetus to private enterprise helping the state conservation agencies provide more outdoor opportunities, the concept which shooting preserves have worked under for many years. Information on obtaining loans is available from: Farmers Home Administration, U. S. Department of Agriculture, Washington, D. C.

* * *

The National Safety Council reports 2,800 accidental firearms deaths for 1967, up 9 per cent from 1966. The death total "Includes deaths in firearms accidents in recreational activities or on home premises and small number (less than 3 per cent) from explosions of dynamite, bombs, grenades, etc. Excludes deaths in war operations."

Of the total firearms accident deaths in 1967, 1,500 were "in or on home premises. Many occur while cleaning or playing with guns." The home fatal firearms accidents were up 7 per cent over 1966. Because of reporting procedures by various states and agencies, it is not possible to determine exactly how many actual hunting fatalities in the field there are each year. Estimates range from 300 to 400, according to the National Shooting Sports Foundation.

The National Safety Council report clearly shows that more safety education needs to be done on firearms safety in the home. While nearly

any mention of firearms today quickly turns into a discussion of legislation, the fact remains that regardless of what laws are passed there are still 40 million gun owners in America. Education, and not legislation, is the long-range answer to firearms accidents.

Because much of the metropolitan news media of the nation is anti-gun, there is no doubt that they will overplay any hunting accidents this fall. For instance, it is customary for one of the wire services to report hunters killed in car accidents as "hunting accidents".

The Foundation predicts that hunters will wear more daylight fluorescent blaze orange than ever before. Statistics prove that accidents, where visibility is a factor, are reduced if hunters wear blaze orange. At least five hunting clothing manufacturers will have new designs in blaze orange caps, vests, capes, jackets and wrap-arounds on the market this fall.

If more hunters will wear blaze orange this season, the Foundation predicts that two accident categories will be reduced greatly — "walking into line of fire" and "mistaken for game".

Does Firearms Registration Work?

By CHARLEY DICKEY

Millions of sportsmen and non-gun owners have been told by Washington that the registration of firearms will stop crime but not deprive the law-abiding sportsman from owning his sporting firearms.

With 57 years of the Sullivan law in New York City and New York State as the only long-range precedent of registration in America, what has been the result? Has the criminal been prevented from misusing handguns? Has the law-abiding sportsman, and the person who wishes to protect his home and business, been denied legal ownership?

These and many other questions are answered in a documented statistical study just published by the National Shooting Sports Foundation. The 36-page booklet, which took 15 months to research, is titled, "Does Firearms Registration Work? — A Statistical Analysis of New York State and New York City Crime Data".

The booklet was researched and written by Alan S. Krug, former research economist at Pennsylvania State University, and now assistant

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to the director at the Foundation. During the past decade, Krug has published more than 25 technical papers on natural resources management, economics, and the ownership of firearms.

The booklet is available for 25¢ from: National Shooting Sports Foundation, 1075 Post Road, Riverside, Conn. 06878.

It is the most exhaustive and documented study ever made on the results of firearms registration. The booklet has many diagrams, charts and tables, completely documented with all source material given.

The statistical data came from the New York Joint Legislative Committee on Crime, the Federal Bureau of Investigation, the John Jay College of Criminal Justice Library, the New York State Police and the New York City Police Department.

Part of the statistical study deals with three questions which sports-

men want answered when registration laws are discussed:

1. Does arbitrary police power to say who can and who cannot own firearms result in law-abiding citizens being denied ownership?

2. Do registration laws eventually result in higher and higher fees for lawful gun owners?

3. Do registration laws and regulations finally result in applications deliberately being made burdensome?

With New York City and its ultra-restrictive handgun laws as the major precedent in America, what can the sportsman expect if similar laws are passed for sporting rifles and shotguns?

Anyone interested in firearms registration, either pro or con, will find the booklet the most authoritative statistical study ever written on the subject.

The Origin of A BENCH REST RANGE

While at the June, 1968 matches on the Council Cup range at Wapwallopen, Pa., your Precision Shooting Editor got inquisitive about the name, Council Cup, and the original history of the range. According to the owners, the name, "Council Cup" is the literal translation of the name given by the Susquehannock Indians to a high bluff overlooking the site. Wapwallopen was the base village and Council Kulf was the tribe's lookout and smoke signal post, where messages were sent to the Indian villages in the area.

According to the owners, the original search for a bench rest range started in 1957. Several miles were traveled and possible locations were examined and discarded. Finally, in the winter of 1960-61, a site was found that afforded most of the advantages necessary for a shooting spot. The purchase was made in the spring. Before the acquisition, many prerequisites had to be carefully considered, such as — availability of water, safe backstop area, good parking, road access, favorable terrain, fair price, no public nuisance problem, available electric power and other lesser necessities.

Much careful planning and hard work went into the construction. Needless to say, this is the key to a good and safe spot. The firing point contains twenty-five benches. All benches are built on six foot centers, on individual slabs of concrete that are five inches thick. Back of the benches there is a gravel walkway, so that those going from the line before "cease fire" will not disturb other shooters. There are two "blips" near each end of the firing line for cleaning and storing rifles and equipment. Between benches twelve and thirteen, there is another "blip" for the range officer. The entire complex, just explained, is completely covered for rain and bad weather protection. The overhang of the roof, in front of the benches, contains a noise deadening insulation. The butts have both moving and stationary backer systems that are just about infallible.

Any club that contemplates building a bench rest set up should, by all means, take a look at Council Cup.

Those who wish to know more details should write to Mr. Robert Hart and Son, Nescopeck, Pa. 18635.

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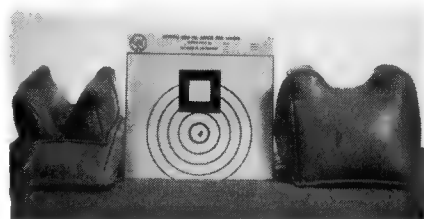
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Old Timers' Corner

By H. A. DONALDSON

In this letter we will continue our account of an interview with Harry M. Pope, taken from notes made years ago. Pope is still talking.

"About 1887 I got the idea—I was shooting a 32/40 rifle, at that time—that I wanted a rifle with less recoil. I found that Remington would make me a special barrel in this caliber, but at the time I was quite poor, making only \$2.50 a day, and I could not afford having a special barrel made up. I had a wife and small boy to support, so this idea was out. At this time I knew nothing about barrel making, nor had I ever been in a gun shop.

"I did have a small lathe, operated by foot power, and I figured I might be able to make just what I wanted. Well . . . I got away with this job, at last. My barrel was bored, reamed, rifled, and turned to size, in the 25 caliber, on that old foot lathe. I still have this old barrel around my shop, somewhere. This was the first real barrel I had ever made. Also, it was the first made in this caliber by any other gunsmith.

"In those days the Standard American Target was new. The ten-ring was only 3.36" on the 200 yard target, and we thought that this was a little closer than any rifle would group. The RECORD was ninety-nine made by someone at Walnut Hill range. With this new rifle of mine, I managed to get 99, shooting from muzzle rest. Of course I had to make the empty cases, entirely by hand, turned out of solid stock. It was one hell of

a job so I made only twelve of them. These were straight cases, holding 25 grains of powder and a 100 grain bullet. Later I made a few shorter cases, in 25 cal. These held twenty grains of powder and the 87 grain bullet. I soon found that I had to use more than a dozen cases, so I tried necking down the old 32/20 case to 25 caliber, fire forming the cases in the chamber. I found that the capacity of this case was not great enough. Finally, as a last resort, I tried the old Frank Wesson 32 caliber extra long cartridge. This worked out fine in 25 caliber, as it held 30 grains of powder, and was very accurate. My new rifle soon won some of our local matches. Later I even took it to Newark, N. J. and entered their Schuetzenfest.

"My first 25 cal. rifle was about the same as the 25/21 Stevens which came out a number of years later. The others were like the Marlin and Winchester cartridges.

"I still have some of these original 25 caliber cases around the shop, somewhere. So I must have had the predecessors of most of the early 25 caliber cartridges, sometime, ahead of any other gunsmith. I made up several other 25 caliber rifles during the next couple of years. One of them was VERY accurate, but I broke the wooden rod used in cleaning it, and managed to spoil this bore with a metal rod I used later. Soon after this, from the light single shot rifles, I went to a 13 pound rifle, that had double-set triggers. The state of my pocketbook at the prize matches putting up a pretty good argument, in favor of the heavier rifle. Soon after this I started making barrels in .32 and .33 calibers. Then later I made a 28 caliber barrel, which used the old 32 Ideal case necked down. You can see that this trick of necking down cases is hardly a modern one.

"About this time, I was pretty well settled as a rifle shooter. I can well remember a day, back around 1887, shooting on the New Britain Ct. range, I had a bulls-eye ticket, but on a hunch changed it for one calling for three shots for my dollar on the 200 yard German Ring target. My first shot was flagged back—a twenty-four. The old Dutchman in

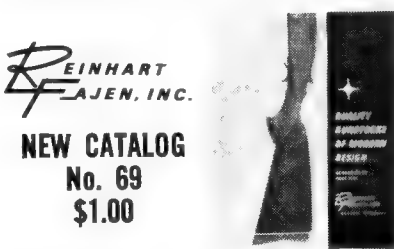
charge of the scoring remarked, 'Dot was a good shot.' My second landed in the 1½" ten ring. Again the old Dutchman spoke up, 'Mein Gott, man, who are you?' I next pulled the third shot or a twenty-two, but I still had the highest score in this match. This rifle weighed only ten pounds, with a three pound pull, but this shooting, understand, was off-hand, and at 200 yards."

Despite all his years of hard work, Harry Pope became very enthusiastic whenever talking about the early days of his rifle shooting. During July of 1938, when the writer had a long visit with Pope at the Walnut Hill range in Massachusetts, he still talked with the interest of a youngster with a new hobby.

But to get back to what Pope had to say about the good old days of rifle shooting, he would bring out from a dusty bookshelf his copy of that greatest of early ballistic treatises, Franklin W. Mann's book, THE BULLET'S FLIGHT. His copy, well worn and dog-eared, is crammed with the notes entered during the period that he, together with Dr. Mann, E. A. Leopold, Wm. V. Lowe, and others who blazed the trail for the modern day shooter, were even then finding out just what happened, when the trigger was pulled.

Pope always claimed that Dr. Mann was the devil to work for, but he didn't mean it in exactly that way. He claimed that Mann was the salt of the earth, but still his orders were very complicated and thus they required endless correspondence to finally get matters straightened out properly. Quite often, Dr. Mann didn't even know himself what was required, so he and Pope had to work it out together. Pope always claimed that Dr. Mann was not only an absolutely honest man, but that he was the greatest experimenter that he had ever known. Dr. Mann tried just about everything possible, and his own reports were honest and were reported, exactly as found. Pope also mentioned that he had once received a letter from Dr. Mann, in which he told of getting a 6,000 ft. second velocity. Pope said he never could figure out just how this was done, but he did mention that about that time he had made up a special SMOOTH-BORE barrel for Dr. Mann, in 30 caliber, and that high velocity might well have been obtained in this barrel. All of the above information might have been shown in Dr. Mann's second book, had he lived to finish it.

As Pope had often mentioned, E. A. Leopold was another story. While



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Dr. Mann had made enough money on an invention that he was able to do pretty much as he pleased, his friend Leopold was a poor man, and didn't have much opportunity. Leopold was at the time working for the Erie Railroad as a station agent and telegrapher at the princely sum of around thirty-five dollars a month.

Wm. Hays was another of the old time experimenters. Pope told me one time that the Pope Muzzle-loading system might never have been developed if Pope had not met Hays at the Newark, N. J. Schuetzenfest in 1888. Pope often claimed that Wm. Hays was the real inventor of the POPE muzzle-breech-loading system.

The writer is now pleased to be able to write just how this came about. It seems that Hays wanted a rifle to load GREASED bullets from the muzzle of his rifle, for accuracy, but still he wanted to use the metal case seated in the BREECH of his barrel for the convenience of loading. This particular barrel was made for Hays by George Schalk around 1884. On receiving such an order, Schalk didn't even want to make such a crazy gun, as he called it, and he wouldn't even put his name on the barrel. Pope said that after Schalk had seen how well this new outfit was SHOOTING, he was quick enough to stamp his name on the barrel.

This first rifle, as made by George Schalk, was a sixteen pound .33 caliber on a Ballard action, using the 32/40 case, and the grooved and lubricated 162 grain bullet, but with NO PATCH, as had been used before. Harry Pope said that Hays had even offered to lend it to him, for trial, but that he had refused to accept it. This idea of Hays gave Pope something to think over, with the result that Pope went right to work and made up another rifle exactly like it. Having all the above mentioned information to work on was the reason that Pope always claimed that the idea of Wm. Hays was what really started his own work of building his muzzle loading rifle barrels.

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The Rifleman's Corner

By GARY L. ANDERSON

Physical Training For Shooting

This year three of the four rifle shooters on the USA Olympic Team are running about two miles a day to help them train for the competition in Mexico City in October. Traditionally, however, American shooters have never been noted as advocates of physical training for shooting. In marked contrast, the Russians and many Europeans believe that the champion shooter must also be a highly conditioned athlete. All of the West German Olympic shooting team candidates do at least 10 minutes of gymnastics each day and run three to six miles a week. A Swedish shooter, Sven Johansson, skis several hundred miles each winter to condition himself for the summer shooting season. Vitalli Parkimovitsch of the USSR, the first man to shoot 1170 at 50 meters, has been running 10 miles a day this year. The entire Russian team does daily gymnastic exercises and plays soccer together whenever they are assembled for team training. To further confuse the question, it can be shown that World Championships have been won by men in poor condition as well as by men in outstanding condition. Is physical training necessary to become a champion shooter? Does it really improve scores?

The history of the U.S. Army International Rifle Team's attempts at physical training illustrates our efforts to answer these questions. When I first joined that team in 1959 the most strenuous activity recommended for shooters was carrying the rifle from the car to the firing line. Although he was an avid golfer, Dan Puckel (300m World Record, 1959) expressed the mood of the day when he said, "The only way to learn to hold the rifle still is to go to the range and shoot." By 1961, we started doing the Army daily dozen each morning followed by a ten to twenty minute run in formation. Some shooters' scores improved, while the scores of some of the best shooters went down. Adverse reaction to an enforced systematic training program led to a period when isometrics and team sports like volleyball were used, and then once more to no physi-

cal training at all. The current conditioning program emphasizes voluntary exercise where team members are encouraged to engage in sports and training programs like running, but are not forced to do so.

From these experiences we have learned some important lessons about the kind of training that should be done off the range. Perhaps the most important thing we have learned is that in shooting the nature of muscular activity is static—the object is to hold the rifle still under highly controlled and coordinated circumstances; while in other sports the muscles must make fast, powerful movements. The problem is that any type of physical conditioning exercise involves movement—exactly the opposite of what we do in shooting. Even the static isometric exercises do nothing to teach the muscles control or coordination. In short, there is no physical exercise which will teach the muscles to hold or control the firearm quite as well as actual work with the rifle or pistol—whether it be actual shooting, dry firing, or just dry holding.

Great physical ability or Herculean strength is not a prerequisite for success in shooting. Though a certain amount of physical strength is necessary to fire a full course with either the rifle or pistol, most people have ample strength for even the most strenuous shooting exercises. Any conditioning exercise which is used for shooting should not be pri-

(Next page please)



GARY L. ANDERSON

marily intended to increase strength. Some sports are even harmful to shooting. In the early 1950's the Russians sought to determine how persons from other sports would adapt to marksmanship. They found that the athletes who made the poorest shooters were weight lifters. Though a pistol shooter may use selected weight lifting exercises to strengthen the arm and shoulder which hold the pistol, the shooter should stay away from weight lifting and other sports which develop heavy muscles or muscles designed to make short, fast movements.

If it is not necessary to exercise to strengthen the muscles for shooting, then what reason is there for conditioning? The greatest stress on the shooter is not on the muscular system, but on the cardiovascular and nervous systems. This is particularly true in competition where psychological changes create considerable stress. The shooter's pulse in standing in practice is normally around 100, but under match pressure this may increase to 120 or 130. Sustaining such a rapid pulse for 1-1½ hours in a standing match calls for definite physical effort. This level of exertion is still much less than that made by a distance runner, for instance, but it is great enough that a person in poor condition will not be able to fight pressure quite as well.

Since the greatest physiological effort made in shooting is by the cardiovascular system, then the best exercises for shooting must improve the capacity of the lungs and circulation system to process and carry oxygen. Any exercise for shooting must be vigorous enough to keep the pulse above the maximum experienced in shooting competition and must last at least 10 to 15 minutes. Obviously, isometrics, calisthenics or gymnastic exercises will not do this nor will team sports which normally require short bursts of effort but do not sustain a high pulse rate long enough.

Some sports which fulfill this requirement are running, swimming, cycling and handball or squash. Even walking or golf can be used if done fast enough over a long period.

For anyone who accepts this theory of conditioning for shooting, I recommend a paperback book called *Aerobics* by Dr. Kenneth H. Cooper. Dr. Cooper has determined which exercises and how much of them are necessary to achieve what he calls "the training effect". His aerobics point system could be used as a guide for the exercise program of any shooter.

In a conversation with him, Dr. Cooper pointed out a couple of other potential benefits of conditioning for shooters. The pulse rate of a conditioned person is lower than in his deconditioned state. Since a too rapid pulse will appear in the hold, this can be important. Dr. Cooper also described how the "anticipatory rate" or pulse rate under tension will not increase as much in the conditioned person. For the shooter in good condition this means that his ability to fight pressure is enhanced.

Additional reasons for physical training include the development of psychological and physical endurance for long matches such as our tryouts or National Championships, and the improved mental discipline which results from faithfully carrying out any rigorous program.

Earlier I mentioned that three of the four rifle shooters on the 1968 Olympic team were running. Each of us now run about two miles a day six days a week. We generally try for a time of about 15 minutes for two miles although a slower pace would probably be just as beneficial for shooting. The training effect from this routine is sufficient to put us in condition for any effort we must make in competition.

When should the exercise be done? At one match which I attended, a shooter in poor condition drove up to the range and immediately ran the length of a long parking lot. When he was asked what he was doing he replied, "If Gary Anderson runs a mile a day then I should run too!" The time for exercise is not before a match or even before practice shooting. It is best to exercise after shooting and to stop vigorous exercise a day or two before a match. Heavy exercise will set up slight muscle tremors which I find increase the rapidity of movement within my hold but not the overall size of my hold. These tremors will go away in a day. Before a major competition such as

the Olympics, I reduce my running for about ten days prior to the match.

How much benefit can be gained from exercise? Exercise will not make the difference between a champion and an average shooter. The kind of difference we are talking about is one of only a few points over the 120 shot International course, and one which could easily be offset by a poorly conditioned shooter of greater skill. Nevertheless, this is the kind of edge that will make the difference between two men of equal ability in an important match. Another factor which determines the benefit of exercise is whether the shooter himself willingly participates in the training program.

There are other types of sports which could contribute to the training of a shooting team. Team sports like volleyball or softball can be useful in building team spirit since team efforts in shooting are so highly individual. The Russians found that figure skaters made the best shooters. It is possible that sports like this that emphasize balance and precise control of the muscles could help develop these phases of marksmanship skill. Games such as squash, handball, tennis and table tennis may improve hand-eye coordination.

During the past few years I have noted that the arguments for physical training for shooting seem to be winning. Approximately 75% of the rifle competitors in this year's Olympic tryouts said they actively engaged in some type of physical training. In the future the contributions of sport medicine will undoubtedly have much more to say about the precise effects of exercise on shooting, but until then, I'm off to run my two miles.

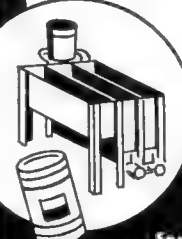


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Random Shots



Betty Summerall Duncan

By BETTY SUMERALL DUNCAN

In the year of the 3200's . . . Army LT. PHILLIP DEAN BAHRMAN went "back to Old Virginia" to establish the Critchfield Aggregate Record of all-time — 3200-278X!!! It was during the State Matches at Manassas on Labor Day weekend. Care to wager how long this record will endure?

Performance patterns — have you observed? — tend to ebb from time to time . . . then, peak on a wave of exhilaration . . . underscored by determination. Cresting that wave is a matter of intricate timing — such as Dean Bahrman achieved, with all systems go. Such perfection deserves at least a special "3200 brassard"!

The 1600-point Any Sight Agg. Record was also in serious danger of being trampled upon. Dick Hanson had only lost 5 or 6 X's going into the last bull of the last stage of the last match when he rather overdid it — and fired 11 shots! Let's toss him our crying towel. Who has a better right to it? And, Dick, we recognized you in the October Rifleman, even though they called you "Robert", as winner of a 100-yd metallic match. Your cap, tho' on at a risque angle, will never rival the Easter bonnets with which the late Mr. Sterbutzel, of Pa., used to amuse the competitors at Perry (But, no offense intended. I still appreciate the dog bones in Phoenix).

* * *

It was the following weekend when HERB HOLLISTER'S dream materialized at the "Big D" — of which Mr. Stephens informed you last

month. I disagree with him, however. No one "pressed" Herb Hollister except himself . . . and, certainly, the presence of 38 Masters in no way



Herb Hollister

Civilian National Record-holder of Critchfield Aggregate with 3200-274X. Also, new "1600 King", with 29 "possibles".

—Photo by Carl W. Knight

improved his score. He has won the Western Wildcats title countless times, including 1968. At the 1966 Wildcats Matches, for example, 86 Masters competed, including the USA MTU team. And, he always holds his own at Perry, with even more Masters entered . . . and was again a member of the Int'l Dewar Team this year. As a matter of fact, I rather suspect that it was his rivalry with George Stidworthy over being "1600 King", which provided that additional incentive. He wrote and warned George that he was really going to try for 1600 #27 in Dallas, for until then, Stidworthy was leading with 27 1600's. (We reported erroneous info last month that he had fired #28.)

Herb Hollister is quite a remarkable man. He had fired a 3200 in practice (at least one) — but, couldn't quite make it over that crucial 1-point hump in competition. While some civilian shooters (regrettably) have felt antagonism toward military competitors, accusing them of monopolizing the awards — Herb Hollister was different. He traveled thousands of miles expressly to compete with them, because it was just the challenge which he was seeking. At the same time, he learned from them . . . and they, from him.

And now that he has reached the summit . . . with a new NATIONAL CIVILIAN RECORD of 3200-274X over the Critchfield Course . . . a week before his 70th birthday — although two weeks earlier would have given him the National Open Record

(Next page please)



Major Presley W. Kendall, USA

Prone and Position Championships — Runner-up in 1968 National Smallbore Prone Champion.

—Photo by Carl W. Knight

—we bow to him as the new “1600 King”, also. The pair of 1600’s pushed him up to #28, one ahead of Stidworthy, who muffed his chance of a tie in Los Angeles. By time you read this, however, it is possible that the reign may have shifted again (though, not probable, at Fresno).

Herb, additionally, avenged his 3199-274X to 3199-272X defeat by **Lones Wigger, Jr.** at the **Laurel, Montana, Regional**. Of the 5 3200’s fired over the Critchfield Course, the Civilian Record-holder ranks #2. Members of that elite club are Krilling, Wigger, Perkins, and now, Bahrman and Hollister. Joe Barnes is even more exclusive with his lone metallic sight 3200 (although it does not date back to “1926” as the typographical error proclaimed in Sept.) Then, with Meredith, Grater, and Stidworthy’s 3200’s with scope, there are 9 in all.

Hollister not only lends comfort and encouragement to other civilians, but he robs us of our principal alibi. It’s going to be embarrassing from now on to blame our (younger) eyes for our deficiencies, isn’t it? For those over 70, you needn’t apologize. Your alibi is intact.

It was through his meticulously scientific approach that Herb Hollister ultimately attained his goal. We are delighted to take this opportunity to congratulate you, Herb. You truly earned your 3200!

* * *

MAJOR PRES KENDALL blazed such a trail of glory through Dixie on three weekends in September that it has left a mark for others to emulate. Three State Championships—Florida, Georgia, and Kentucky fell to his onslaught. But now, the three crowns—packed away with the rifles—have been replaced by fatigue headgear . . . in Vietnam.

In Louisville, on the final weekend, Kentuckians were proud of their native son as he shattered the 10-year-old **National Open Metallic Sight Aggregate Record** with a sizzling 1600-142X!! It is 5 X’s over the Record which George Whittington shot in Ft. Worth in July 1958, and which he has held an unbelievably long time. **Florida, Georgia, and Kentucky State** An additional bonus was a **National Service Record** for Kendall in the Dewar iron for his 400-37X.

Squadded close to Ed Summers and Earl Saunders (to whom Pres is indebted for masterful coaching when he was a youngster), he was encouraged by their confidence that he would go clean. And, indeed, it did look as though a new Critchfield Record was in the making. What a shame that the western sequence of matches had not been adopted by the Louisville club—i.e., Dewar, 100-yd, 50-meter, 50-yd. With the 50-yd last, the outcome would have surely been different. In the final 100-yd match, the wind kicked up, and Pres had what is commonly known as a “dollar shot” at 5 o’clock. It didn’t quite go . . . and he ended up with a 3199-285X!!! He has been so close to that elusive 3200 so many times that he is overdue. But, at least no one has seriously challenged his consistently high X-count . . . which is some consolation.

Runner-up was National Civilian Prone Champ **William E. Summers**, of Akron, who scored 3197-269X. Another major victory for the incomparable Remington-37 . . . by two of its most illustrious proponents.

When Walker, of Louisville, arrived at the range, his barrels were so much in demand because of Kendall’s performance that 11 sold within a short time.

* * *

Pres won the Position Regional there on a windy July weekend with 25 points down.

* * *

It was a duel between two good friends at Atlanta’s **River Bend Gun Club** on Sept. 21-22 as **Pres Kendall** and **Bill Krilling** were alternately “en garde”, parrying, or charging. When the first shooter in history to fire a perfect 3200 clashes with one who is waging a meaningful offensive . . . it won’t be dull.

They were both h-o-t with irons—had it not been for the meter. That’s where they both stumbled . . . **Metallic Aggregate: Kendall — 1599-127X; Krilling — 1598-125X.**

With scope, it was really a “knock down, drag out” affair as Pres Ken-



M/Sgt. William E. Krilling, USA MTU
Winner of CISM (Conseil Internationale du Sports Militaire) Matches in Paris, France, for smallbore 3-position.

dall charged ahead of Bill Krilling by a single X—1600-147X to 1600-146X. That’s terrific shooting at anyone’s rifle match! . . . and, fun for those two comedians! Their dialogue should have been wired for sound.(?)

Pres Kendall is the new **Georgia State Champion** by virtue of his slim 3199-274X edge over **M/Sgt Krilling’s** 3198-271X. The two former National Champions and Vietnam veterans were in suitably high gear.

Actually, it was **Major Jim Hinkle**, USMCR, from whom Kendall took up the gauntlet at the Knoxville regional. Jim has done such a superb job of organizing his stat and range crews, in a brief time, that he became a competitor on his home range for a change. In **third** place, he scored 3193-232X—and it isn’t easy to concentrate on one’s shooting and be concerned with tournament details. Jim rates a “well done” for spearheading the revival of smallbore prone shooting in Georgia.

John J. Owen, Jr., of Savannah was Hi Civilian with 3189-212X. He and Cathy Kendall’s Dad, Lt. Col. James W. Boddie, Sr., USAF (Ret.), were huddled together in the Scope Agg.—1598-136X to 1598-131X, respectively. It does bring back memories. My father and I shot with Jim Boddie and young Pres Kendall in the southeast starting a number of years ago. Then later, Lt. Col. Boddie was stationed at Vandenburg AFB, Calif., and we two Georgians met again. After his retirement and return to their ancestral colonial home near LaGrange, Ga., he and (then) 1/Lt. Kendall just happened to be in the PX at Ft. Benning at the same time.

A casual dinner invitation led to the merging of two shooting families. (Frank Kahrs and Walter Kendall were friends before Pres even arrived on the scene. On a poignant note, Army Lt. Jim Boddie, Jr. had hoped to shoot the Georgia State Matches before leaving for Vietnam, but had departure orders for the day before. As he left, he told his brother-in-law, "Win this one for me, Pres", which indeed Pres did. Jim, Jr. was in Ranger School, including training in the Florida Everglades, with John Carter, son of former NRA President Harlon Carter. The world isn't so large after all, is it? But, the next year won't be easy for the Boddie family with both young Jim and Pres in Vietnam. May they return safely!

So many of you have expressed interest in knowing more about the shooters themselves than merely reading scores that I feel justified in utilizing this space for personalities. One who has recently attained championship status was most generous in writing that he was inspired by Random Shots, "where the shooters one has never met become so alive." If we serve such a purpose, then it is, indeed, worthwhile. And, if more wives were sympathetic and as enthusiastic as Cathy Kendall, (who was a jewel in the stat office at Perry), our shooting game would be vastly improved.

* * *

On Labor Day weekend, the Florida State Smallbore Assoc. scheduled a 3-day State Championship in Miami. Pres, Cathy, and her brother, Jim, thought it would be interesting to attend... even though it meant driving all night to make it in time. They timed it just right — except, who ever anticipates a broken water pump, which zeroes in on the radiator? And — just 45 minutes from the range! It required all day Saturday to get it all cleaned up and repaired.

Meanwhile, Don Harmon had clear sailing in the Position Matches. With little wind, he had 788 iron and 787 scope for 20 each in 4-positions at 50-yds. Perhaps it was a break for him that Pres and Jim didn't arrive in time.

Wind was light and reversing for the Florida Prone Championship on Sunday and Monday. There were about 61 entries. Pres Kendall and his old trusty 37 with Walker barrel came through for a 3197-281X win. Dr. Floyd Archer placed second with 3193, and vivacious Wendy Wells was 3rd with 3191 — both consistent, as usual. Jim Boddie, Jr. was probably High Expert, but it is unconfirmed



Thomas H. Guerin

1968 California and Arizona State Smallbore Prone Champion.

—Photo by Carl W. Knight

... as they practically fired the last shots while driving out of the gate enroute back to Benning that night.

* * *

It was a cool and collected THOMAS H. GUERIN, who successfully defended his California State Prone Championship on the final day of the Sept. 21-22 weekend. Not a matter of over-confidence — but, one of control.

The field of 142 competitors had been somewhat electrified by the metallic-sight demonstration of shooting in the wind put on by young LARRY BARNES... yes, another Barnes in the news. Everywhere he goes, Larry is asked if he is Joe Barnes' son. The 16-year-old Master cleaned the Dewar... dropped 4 points at 100-yds... won the 50-meter with the only 400... and placed at 50-yds with a 399. With so much talk of 3200's, 1600's, 400-40X's, etc., if scores were the only issue, you wouldn't read on. What makes this n-e-w-s is that Larry Barnes, of Garden Grove, Calif., is the 1968 California State Metallic Sight Prone Champ. Simultaneously, his 1595-92X gave him the California State Junior Prone Championship.

Ironically, it was the 50-yd, the last match, which tossed the Iron Aggregate into his skillful hands. Wind, which had fish-tailed and shifted course unmercifully during the day, kicked up again in the last stage of the master's 50-yd relay. Tom Guerin, who had won the Dewar — 400-32... placed second at 100-yds with 398-26X... was 3rd Master at 50-meters — 398-29X... dumped 3 points at 50-yds. It wasn't hard to do. But,

it set Larry Barnes up with a 2-point Agg. lead — which I find particularly heartwarming.

Following the 1967 California State Matches, I wrote about Larry Barnes' outstanding display of good sportsmanship. He wasn't listed on the junior state team — he eliminated himself! In the first match, he didn't drop any points, and was credited with one of the few 400's on the bulletin board. It was a difficult decision to make. He thought it over and knew what he had to do. On the way to challenge his score, he borrowed a dollar from me... for a little while... and I was prouder of him than if he had won the state championship. You see, he was shooting next to me when time was called before he got his last shot off. Recuperating from the flu, he became a bit nervous and just couldn't manage to get that final round into the chamber. I predicted then, "Larry Barnes will win many times — but, he will never stand any taller than he did" on that occasion. The afternoon of Sept. 21, 1968, Larry came to thank me for those words, which he remembered well. Perhaps we all stand just a little taller because of Larry Barnes... and those teenage shooters who model their behavior after his.

Larry is another who shoots a Remington-40X... in a Fajen stock... Redfield Olympic sights... and Eley Tenex ammo. And, he does wear corrective glasses! Trailing him in the Iron Aggregate were Guerin — 1593-112X, and Doug Beede — 1592-88X.

A lefthander aims with his right eye! Since we told you a bit about Cliff Pierson's episodes and visual problems in July, a number of you have expressed interest in his so-

(Next page please)

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lutions. So, our good friend, Cliff, is proving to be the subject of a continuing serial. Fortunately, he is a skilled machinist. The action and trigger are his own production, augmented by an Atkinson barrel. To this, he has offset an Anschutz rear sight and a vintage front sight (which he won more than 25 years ago at the Southern California Automobile Club range). Using a Zeiss Diopter, he was performing quite well with his innovation—still unfamiliar to him—until, one rough stage of the 100-yd iron, when he found himself running out of time. Requiring more time to obtain a sight picture with an untrained eye, it cost him. Still, he was 2nd Master in the Dewar, and at 50-meters, and won the 50-yd iron with a 400-34X. Overestimating his competition, he thought that the 100-yd match put him out of the picture—so, was not present to fire the State Postal Team Match at 7:00 a.m. the following a.m. Actually, he had finished 6th in the Metallic Agg. California's Postal Team Score was 3992-277X X 4000.

An indication of conditions on the Los Angeles Rifle & Revolver Club range—400's weren't especially plentiful with scope after the opening Dewar when "Doggie" Kline out-X'd Guerin's 400-38X. In fact, there were only 3 possibles at 50-meters, led by Guerin's 400-34X. Cliff Pier-

son took the 100-yd with 400-32X. Then, Tom Guerin stayed in there for a 400-36X win at 50-yds—which was good for the **Any Sight Aggregate . . . with the only perfect 1600, X-count—135 . . . and the Grand Aggregate.** His new Atkinson-barreled BSA is really performing, with the variable DeSimone scope.

NRA Director Kline just missed his 1600 with a close one at 50-yds, and had 1599-122X; Pierson's 1598-129X was 3rd; UCLA Rifle Team member Don Odenweller placed 4th—1597-121X, followed by Oregonian Lt. Neil Koozer, attached to the USS Yorktown, with a 1597-117X, an X ahead of Doug Beede.

Experience—and an unshakable desire to win—were clearly governing factors, as Tom Guerin again came down the home stretch pacing the field by several lengths. His 3193-247X afforded a comfortable margin over runner-up Doug Beede's 3189-204X—and, will undoubtedly have a constructive effect on Beede's future efforts. Winning shouldn't be too easy, and Doug Beede's winning streak wasn't seriously challenged until now. On his trail were Cliff Pierson—3187-238X; Larry Barnes—3187-208X; Forrest Kline—3187-201X; and Robert H. Adler—3186-201X.

A new shooting star is petite, 11-year-old Mary Lou Adler, the new

California State Woman's Champion and Junior State Girl Champion. Competing in the Marksman Class—as the Expert classification which she earned at Perry was not yet in effect—Mary Lou was 3rd overall with a 400-22X in the 50-yd iron. She was Creedmoored out of the position of Coach on the State Postal Team. But, she and her older sister, Peggy, alternated coaching their dad into a 400. Firing a BSA, as do all 4 of the Adler shooters, with Eley Tenex, Mary Lou aggregated 3178-188X. Her sights are Parker-Hale rear, Bell front, and Unertl scope. Her father wonders if she could be the youngest State Ladies' Champion. Do any of you know of one who was younger?

Tom Guerin and 16-year-old Bob Bjorklund were awarded belt buckles for their winning 800-58X 2-man Dewar any sight score.

Conspicuous by his absence was Bob Boydston, Los Angeles Rifle & Revolver Club President, who has to have an awfully good reason for missing any shoot within driving distance. He had made arrangements to attend the "Big D" in Dallas—but, his vacation was suddenly canceled. Then, he looked forward to beating Tom ("unmercifully") in the California State Matches—only to miss the action because of . . . the mumps!!! What a blow!

NBRSA News . . .

1968 Directors Meeting, NBRSA, Inc. Held at cottage at Reed's Run

Meeting was called to order by A. H. Garcelon at 7:30 on the evening of Monday, August 26, 1968.

Present were: Dr. A. H. Garcelon, Pres.; M. H. Walker, Dir. Eastern Region; George E. Kelbly, Dep. Dir. Great Lakes Div. Eastern Region; Robert W. Hart, proxy for Wm. Kappel, Dep. Dir. Eastern Seaboard Div. Eastern Regional; David B. Whittington, Dir. Mid-Cont. Region; J. L. Bonner, Dir. Gulf Coast Region; A. J. Freund, Dir. Miss. Valley Region. L. E. Cornelison, visitor; Mrs. Bernice E. McMullen, sec'y-treas., NBRSA, Inc.

The treasurer's report was read by Dr. Garcelon. Walker moved and Whittington seconded that treasurer's report be accepted as read.

The following is a review of the 1967 minutes of the meetings held at Abilene.

Membership list from P.S. was paid for by the Eastern Region instead of NBRSA.

Motion by Dr. Garcelon that B. McMullen as continuing officer to have record of all NBRSA possessions. Secretary has been unable to locate set of weights made by Paul Gottschall and donated to NBRSA. Mo-

tion of Garcelon met with approval of all present. Suggestion made that the new weights being made by R. W. Hart be explained and displayed by picture in P.S. Hart reported that 3 sets are now completed and 2 sets have been delivered. Whittington, as Director of the Mid-continent region, expressed appreciation to the Eastern region for delivery of same. Hart reported that the cost of the bar of steel for said weights cost \$117.00 and NBRSA has agreed payment of completed weights and boxes for them.

In 1967 a committee of Hobbs, Kappel and Hart was appointed by Garcelon to write an instruction sheet for measuring record targets. Nothing has been done on this and due to the ill health of Wm. Kappel, Cornelison has now been named to this committee in Kappel's place.

The work on developing a standard reticule rule will be continued by Hart hoping to accomplish it during the winter of 1968-69.

1969 National Matches: Bob Hart bid for the Varmint and Sporter Championship Matches; Heavy Rifle Nationals already awarded to Mill Creek Rifle Club at Kansas City, Kansas to be held on August 26, 27, 28, and 29, 1969; 1969 Speer Matches awarded to Tulsa, Oklahoma — July 4th weekend. 1970: Varmint and Sporter will go to the west; Mike Walker placed bid for Heavy Rifle Nationals to be held in the east.

Whittington suggested that it might be an excellent idea to get NRA to interest themselves in a bench rest installation to accommodate National Championship Matches.

The appointment of referees for the 1968 Heavy Rifle Championship Matches were as follows: George Kelbly appointed Roger Powers; Bob Hart appointed George McMullen; D. Whittington appointed Larry Engelbrecht. Alternates were: A. Freund appointed Bill Schellert; Whittington appointed Walt Berger or A. Freund.

Whittington moved and Hart seconded that appointments be accepted. Passed by voice vote.

Bob Hart reported that classifications of Hunter class competition are too low, but wants to hold the line on any changes until other regions get the same problem. Directors were in agreement to let the situation ride, with the suggestion that clubs might try out other systems and report at a later date.

Freund suggested that the same target might be used at 200 yards.

A motion was made by Hart with a second from J. L. Bonner that NBRSA order 50,000 hunter targets printed. Passed unanimously.

David Whittington moved and M. H. Walker seconded that the hunter class rule concerning the magazine found on page 19, para:(g) in the 1968 rule book, be amended to read: "A magazine shall hold two or more loaded rounds of ammunition that will feed, chamber and fire." Rounds loaded for competition may be longer than magazine. Passed by voice vote.

No action taken on development of target for iron sights. Continue as at

present and take action when necessary.

Motion to accept minutes as amended made by Whittington and seconded by Kelbly. Passed by voice vote.

Secretary asked to write Wm. Kappel a letter of thanks for all past services to NBRSA and especially for serving as Eastern Region deputy-director. Good wishes from all of us, come visit us often — attach all names.

Bob Hart asked to write an obituary for Clifton Carr for print in P.S. All regions are hereby advised to send obituary notice of all deaths in region to P.S. for publication.

Report on Australian matches. Madden from Australia would like to get postal matches started. Mike suggested that this might be done and put handicap on NBRSA competitors. Whittington moved and Freund seconded that we carry on correspondence and authorize incoming president to keep things going with Australia. Passed by unanimous voice vote.

Some changes to be made in next issue of rule book, but effective now. Motion by Kelbly, second by Hart — page 5 (c) last line to read: "The rear rest shall be a sand-bag as defined under (d). Passed.

Kelbly moved, Whittington seconded — page 8 (f); add (c) in next to last line. Passed.

Kelbly moved, Bonner seconded — page 5 — 14 — eliminate 3 words in second line — "the stock of". Passed.

Bob Hart as referee at Varmint and Sporter Nationals at Tulsa reported on front rests used. Metal rests with approximately 2½ inches square sandbag in center. Passed as legal. Present rules permit.

Whittington introduced the subject of awards from clubs. The feeling was that competitors wanted something for places other than first in National Championship aggregates. Freund suggested that there should be something established as to what clubs should be required to furnish. Revere plates or goblets were suggested. Whittington moved that the Host Club at all National Matches be required to award trophies to 2nd and 3rd places in all aggregates but not limited to 2nd and 3rd places, if not supplied by region. Seconded by Walker and passed by voice vote.

Whittington moved, with a second from Hart, that all region records and region weights, along with all properties of region be transferred to succeeding director. Receipt obtained and forwarded to NBRSA secretary. Passed.

Whittington volunteered to make copies and get them to all directors for either their acceptance or corrections and return them to NBRSA for final copy for all minutes books.

Five minute break.

Freund offered for consideration a complaint from a member of his region who felt that those firing 30 caliber rifles should be squadded on one relay. Rule enforcement of placing muzzle over bench should take care of the situation.

Freund brought up subject of too many classes. Would like to see L.V. & S. classes combined. Whittington suggested that this matter be brought up before members and report made at next directors meeting.

Review to be made of Kinglsey's writing of the By-Laws. Mike Walker volunteered to get a copy to each director. Directors to study them and consider at next meeting.

Freund on the subject of conducting of matches. Shooters get rifles weighed and taped as legal. The chance of changes on weight of rifles should not be ignored. Freund moved to recommend that referees at Nationals spot-check rifles. No action taken as feeling was that the rule is adequate and referees can spot-check.

Walker gave report on P.S. saying that they had had some difficulty with previous editor and that finances were such that they would be unable to pay the present editor as contracted to do (\$4,000.00). He reported that at present NBRSA is not paying cost of magazine and they do not have enough circulation to support (2200). Promotional packages had been sent out but not much accomplished.

Whittington suggested getting National Matches listed in NRA might help by the added advertisement.

Walker suggested that NBRSA might pay total amount of a member's magazine per year as soon as his membership reaches NBRSA office. Cost of magazine quoted at 36¢. Bob Hart made motion to pay 36¢ per copy. Seconded by Whittington. Passed.

Whittington suggested that all clubs send interesting full reports on all matches to P.S.

Election of officers:

Bob Hart nominated Mrs. Bernice McMullen for secretary-treasurer. Second by Kelbly. D. Whittington moved nominations be closed. Elected.

Bonner nominated Ray Speer for president; second by Whittington. Walker nominated Whittington, Bon-

(Next page please)

ner moved the nominations be closed. Second by Kelbly. Speer elected.

Walker nominated Whittington for vice-president. Second by Freund. Hart moved nominations be closed. Whittington elected.

Primers and Ignition

Primers Have Improved To Meet Tough Demands

By EDWARD M. YARD
Technical Editor
The Handloader Magazine



We have described the easy ignition and the quick burning of black powder. These qualities were most helpful in its era. The rapid progress of flame through it made early guns a success. Had the only materials discovered been too difficult to ignite, guns might not have come into use, or been developed only about now.

It is quite possible we could have gone straight from spears and bows into the age of rocketry without a period of firearm history. If that had been the case, early rocketeers would have been those to develop primers. The same principles are involved, and solid rocket fuels differ little from propellant powders.

We should remember that Piobert stated that the portion of a powder grain burned through in given time is equal over its entire surface. To realize this condition, every bit of all the outside of all the grains must be set afire at the same instant.

The amount of energy and heat to achieve this must be considerable. It isn't likely that anyone scientifically worked out what it would take.

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The old black powder primers not being strong enough, more powerful ones were tried until reliable firing was attained. As smokeless powder evolved with deterrent coatings added, the caps were improved to meet this problem.

When magnum cartridges came along with bigger boiler rooms of still slower powders, "magnum" primers appeared to handle their ignition. With the advent of the .222 Remington Magnum and .223, even some "in between's" were introduced to more nearly suit these.

Each maker produces a good range of types, and since they differ in characteristics between brands in the same designation, the handloader has a pretty good choice to match his loads. The usual classification gives nine grades:

Small Pistol, Small Pistol Magnum, Small Rifle, Small Rifle Magnum, Large Pistol, Large Pistol Magnum, Large Rifle, Large Rifle Magnum, and Shotgun Battery Cup Primer.

Just as important, as that it have the energy to properly ignite the powder, are the characteristics of the metal cup that is the frame and shell of the Boxer primer, used almost exclusively in this country.

It must be a good fit in the cartridge primer pocket to function correctly and to seal out moisture and it must be strong enough not to fail at the peak of breech pressure. But at the same time it must be easy enough to indent to insure reliable firing.

These last two take opposite qualities of the cup to satisfy them. So it is much easier to recite the desired effects than it is to satisfy them. The solution must of necessity be a compromise.

A heavy hammer blow is more disturbing to the aim and accuracy of a pistol than to a rifle, because of its own lighter weight and the less secure support. Fortunately target ammunition for which the best accuracy is sought, develops less pressure than other types.

So the cup of regular small pistol primers may be made thin and soft

enough for that application. And the magnum version is made to take the pressure of heavy pistol loads at some sacrifice to the accuracy, if a heavier hammer blow is used. So each grade of primer can be adjusted for a certain range of intended applications to take the pressure expected as well as suit the firing mechanism usual in arms for such loads.

While the tailoring of each cap for a particular use simplifies the problem to an extent, the basic dilemma remains: that pressure requires a strong cup and reliability of firing takes a weak one.

Because different makers arrive at different points of compromise, brands differ in cup thickness and hardness in the same grade. This allows the handloader to choose the one closest to his needs. For instance, at one time many competition shooters liked the Remington 1½ small pistol primer, while their .357 buddies took the CCI 550.

Each maker tests the sensitivity of his primers by a ball drop test. The ball energy in inch-ounces needed to produce 100 per cent firing is maintained at a constant value, or nearly so, in each grade of primer.

Some primers will fire with 6.0 inch-ounces, but others require 20 inch-ounces to yield the statistically figured 100 per cent fire. There are magnum primers that take more.

Rifles deliver about 50 inch-ounces, when in good condition, at the firing pin. If that sounds like plenty, keep it in mind that the 20 inch-ounces is the minimum that will surely fire fresh primers. The primer may deteriorate in storage. The mainspring may weaken with time.

The likelihood is that the primer will take more, the rifle deliver less at the moment of pulling the trigger. In cold weather a rifle with just light oil on the spring may fail to fire.

For the important hunt or match use fresh primers of the right grade for your gun and load. Keep your gun lock clean and only very lightly oiled. Ignition will set the ballistics you get when the gun fires.

—From GUN WEEK, April 5, 1968